

SERVICE MANUAL

AE-5A CHASSIS

MODEL	COMMANDER	DEST	CHASSIS NO.	MODEL	COMMANDER	DEST	CHASSIS NO.
KV-34FQ75A	RM-893	ET	SCC-Q45D-A	KV-34FQ75K	RM-893	OIRT	SCC-Q42C-A
KV-34FQ75D	RM-893	AEP	SCC-Q41G-A				

FD Trinitron



TRINITRON[®] COLOR TV
SONY[®]

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CAUTION

SHORT CIRCUIT THE ANODE OF THE PICTURE TUBE AND THE ANODE CAP TO THE METAL CHASSIS, CRT SHIELD, OR THE CARBON PAINTED ON THE CRT, AFTER REMOVAL OF THE ANODE CAP.

WARNING !!

AN ISOLATION TRANSFORMER SHOULD BE USED DURING ANY SERVICE WORK TO AVOID POSSIBLE SHOCK HAZARD DUE TO LIVE CHASSIS, THE CHASSIS OF THIS RECEIVER IS DIRECTLY CONNECTED TO THE POWER LINE.

SAFETY-RELATED COMPONENT WARNING !!

COMPONENTS IDENTIFIED BY SHADING AND MARKED Δ ON THE SCHEMATIC DIAGRAMS, EXPLODED VIEWS AND IN THE PARTS LIST ARE CRITICAL FOR SAFE OPERATION. REPLACE THESE COMPONENTS WITH SONY PARTS WHOSE PART NUMBERS APPEAR AS SHOWN IN THIS MANUAL OR IN SUPPLEMENTS PUBLISHED BY SONY.

ATTENTION

APRES AVOIR DECONNECTE LE CAP DE L'ANODE, COURT-CIRCUITER L'ANODE DU TUBE CATHODIQUE ET CELUI DE L'ANODE DU CAP AU CHASSIS METALLIQUE DE L'APPAREIL, OU AU COUCHE DE CARBONE PEINTE SUR LE TUBE CATHODIQUE OU AU BLINDAGE DU TUBE CATHODIQUE.

ATTENTION !!

AFIN D'EVITER TOUT RISQUE D'ELECTROCUTION PROVENANT D'UN CHÂSSIS SOUS TENTION, UN TRANSFORMATEUR D'ISOLEMENT DOIT ETRE UTILISÉ LORS DE TOUT DÉPANNAGE LE CHÂSSIS DE CE RÉCEPTEUR EST DIRECTMENT RACCORDÉ À L'ALIMENTATION SECTEUR.

ATTENTION AUX COMPOSANTS RELATIFS À LA SÉCURITÉ!!

LES COMPOSANTS IDENTIFIÉS PAR UNE TRAME ET PAR UNE MARQUE Δ SUR LES SCHÉMAS DE PRINCIPE, LES VUES EXPLOSÉES ET LES LISTES DE PIÈCES SONT D'UNE IMPORTANCE CRITIQUE POUR LA SÉCURITÉ DU FONCTIONNEMENT, NE LES REMPLACER QUE PAR DES COMPOSANTS SONY DONT LE NUMÉRO DE PIÈCE EST INDIQUÉ DANS LE PRÉSENT MANUEL OU DANS DES SUPPLÉMENTS PUBLIÉS PAR SONY.

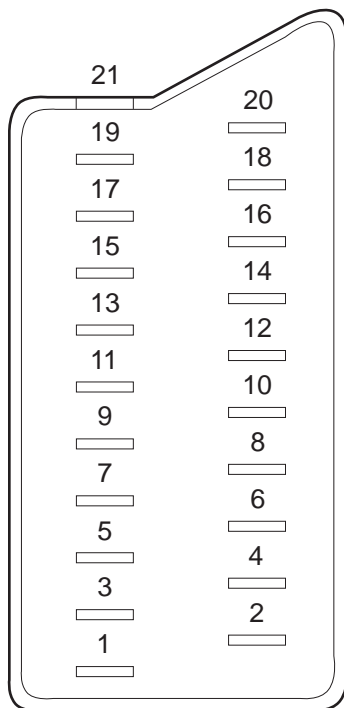
ITEM MODEL	Television System	Stereo System	Channel Coverage	Color System
Italian	B/G/H, D/K	GERMAN Stereo	B/G/H VHF : E2-E12 UHF : E21-E69 DK : R01-R12, R21-R69, S01-S05	PAL, SECAM NTSC4.43, NTSC3.58 (VIDEO IN)
AEP	B/G/H, D/K	GERMAN Stereo	B/G/H VHF : E2-E12 UHF : E21-E69 DK : R01-R12, R21-R69, S01-S05	PAL, SECAM NTSC4.43, NTSC3.58 (VIDEO IN)
OIRT	B/G/H, D/K	GERMAN Stereo	B/G/H VHF : E2-E12 UHF : E21-E69 DK : R01-R12, R21-R69, S01-S05	PAL, SECAM NTSC4.43, NTSC3.58 (VIDEO IN)

Model	KV-34FQ75A	KV-34FQ75D	KV-34FQ75K
Power Consumption	170W	170W	170W

Picture Tube	FD Trinitron Wide Approx 86 cm (34 inches) (Approx 80 cm picture measured diagonally) 105 degree deflection	Sound output Subwoofer	Right and Left speaker 2x20W (Music Power) 2x10W (RMS) 1x30W (Music Power) 1x15W (RMS)
Input/Output Terminals [REAR]		Power Requirements	220 - 240V
1: 21-pin Euro connector (CENELEC standard)	Inputs for Audio and Video signals. Inputs for RGB. Outputs of TV Video and Audio signals.	Dimensions	Approx 891x727x620mm
2: 21-pin Euro connector	Inputs for Audio and Video signals. Inputs for S Video. Outputs of TV Video and Audio signals. (selectable)	Weight	Approx 82kg
3: 21-pin Euro connector	Inputs for Audio and Video signals. Inputs for S Video. Outputs for Video and Audio signals (monitor out)	Supplied Accessories	RM-893 Remote Commander (1) IEC designated R6 battery (2)
Phono Jacks	Output Connectors variable for Audio Signals	Other Features	NexTView, Digital Comb Filter, Noise Reduction, DRC 100Hz Picture, DRC 50Hz Picture, Graphic Equaliser
Input/Output Terminals [FRONT]		Remote control system	Infrared control
Headphone jack	stereo mini jack	Power requirements	3V dc 2 batteries IEC designation R6 (size AA)
Audio inputs	phono jacks	Dimensions	Approx 210x55x23mm (w/h/d)
Video inputs	phono jacks	Weight	Approx 110g (not including battery)
S Video input	4 pin DIN		
Design and specifications are subject to change without notice.			

Model Name Item	KV-34FQ75A	KV-34FQ75D	KV-34FQ75K
Pal Comb	ON	ON	ON
PIP	OFF	OFF	OFF
RGB Priority	ON	ON	ON
Woofer Box	ON	ON	ON
Scart 1	ON	ON	ON
Scart 2	ON	ON	ON
Front in (3)	ON	ON	ON
Scart 4	ON	ON	ON
Projector	OFF	OFF	OFF
AKB in 16:9 mode	ON	ON	ON
Norm B/G	ON	ON	ON
Norm I	OFF	OFF	OFF
Norm D/K	ON	ON	ON
Norm AUS	OFF	OFF	OFF
Norm L	OFF	OFF	OFF
Norm SAT	OFF	OFF	OFF
Norm M	OFF	OFF	OFF
Teletext	ON	ON	ON
Nicam Stereo	OFF	OFF	OFF

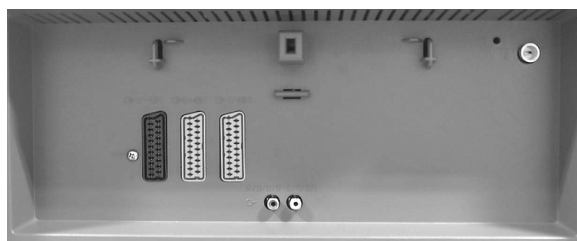
21 pin connector



Pin No	1	2	4	Signal	Signal level
1	○	○	○	Audio output B (right)	Standard level : 0.5V rms Output impedance : Less than 1kohm*
2	○	○	○	Audio output B (right)	Standard level : 0.5V rms Output impedance : More than 10kohm*
3	○	○	○	Audio output A (left)	Standard level : 0.5V rms Output impedance : Less than 1kohm*
4	○	○	○	Ground (audio)	
5	○	○	○	Ground (blue)	
6	○	○	○	Audio input A (left)	Standard level : 0.5V rms Output impedance : More than 10kohm*
7	○	●	●	Blue input	0.7 +/- 3dB, 75 ohms positive
8	○	○	○	Function select (AV control)	High state (9.5-12V) : Part mode Low state (0-2V) : TV mode Input impedance : More than 10K ohms Input capacitance : Less than 2nF
9	○	○	○	Ground (green)	
10	○	○	○	Open	
11	○	●	●	Green	Green signal : 0.7 +/- 3dB, 75 ohms, positive
12	○	○	○	Open	
13	○	○	○	Ground (red)	
14	○	○	○	Ground (blanking)	
15	○	-	-	Red input	0.7 +/- 3dB, 75 ohms, positive
	-	○	○	(S signal Chroma input)	0.3 +/- 3dB, 75 ohms, positive
16	○	●	●	Blanking input (Ys signal)	High state (1-3V) Low state (0-0.4V) Input impedance : 75 ohms
17	○	○	○	Ground (video output)	
18	○	○	○	Ground (video input)	
19	○	○	○	Video output	1V +/- 3dB, 75ohms, positive sync 0.3V (-3+10dB)
20	○	-	-	Video input	1V +/- 3dB, 75ohms, positive sync 0.3V (-3+10dB)
	-	○	○	Video input Y (S signal)	1V +/- 3dB, 75ohms, positive sync 0.3V (-3+10dB)
21	○	○	○	Common ground (plug, shield)	

○ Connected ● Not Connected (open) * at 20Hz - 20kHz

Rear Connection Panel



S Video socket pin configuration		
Pin No	Signal	Signal Level
1	Ground	-
2	Ground	-
3	Y (S signal) input	1V +/- 3dB 75ohm, positive Sync. 0.3V -3 +10dB
4	C (S signal) input	0.3V +/- 3dB 75ohm, positive Sync.



S-Video socket

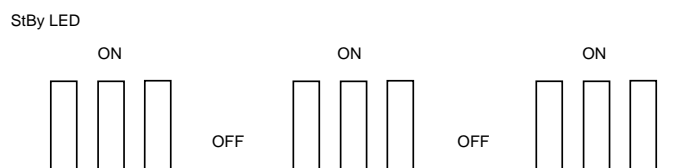
AE-5A SELF DIAGNOSTIC SOFTWARE

The identification of errors within the AE-5A chassis is triggered in one of two ways :- 1: Busy or 2: Device failure to respond to IIC. In the event of one of these situations arising the software will first try to release the bus if busy (Failure to do so will report with a continuous flashing LED) and then communicate with each device in turn to establish if a device is faulty. If a device is found to be faulty the relevant device number will be displayed through the LED (Series of flashes which must be counted) See table 1., non fatal errors are reported using this method.

Diagnostic Item Description	No of times Standby LED Flashes	Probable cause Location	Detected Symptoms
Power does not turn on	Does not light	Power cord is not plugged in. Fuse is open circuit.	Power does not come on No power is supplied to the TV AC power supply is faulty
+B Overcurrent (OCP)	2 times	H.OUT (Q6803/6804) is shorted. (D Board) Linearity FET (Q6806) is shorted. (D Board) IC2601 Power IC is shorted. (D Board)	Power does not come on Load on power line has shorted
Vertical Deflection stopped	4 times	+15V is not supplied R6835 open (D Board) -15V is not supplied R6834 open (D Board) IC6700 is shorted (D Board)	Vertical deflection pulse has stopped Power line has shorted

Error Message	LED Code
No error	00
Reserved	01
OCP (Over Current Protection)	02
OVP (Over Voltage Protection)	03
Vertical Protection	04
Unstable AKB (check starts after 30's, enable TT61 disable TT62)	05
Horizontal Protection	06
Speaker Protection	07
I2C bus 0 error	08
M-B Tele-Text-Decoder	09
M-B ST24C32, NVM	10
J-B TDA9320, Main Colour Decoder	11
B1/B2-B Feature Box	12
B1-B D/A-Converter	13
E-B Backend	14
J-B MSP3410D, Sound Processor	15
J-B CXD2057, Auto Wide	16
External RAM	17

Flash Timing Example : e.g. error number 3



Error Detection Monitor

Device acknowledge is used to check IIC errors. Device acknowledge is checked by sending an IIC start sequence during CRT power on. Each device is checked three times, if there is no acknowledge after each attempt, it will be regarded as an error. There are three steps to check for errors.

1. IIC line 0
If all devices except the NVM have errors, IIC line 0 error is displayed.
2. Board check
If all devices mounted on one board have errors, board error is displayed.
3. Each device check
If IIC line error and board error are not detected then the device with the error is displayed.

The detected errors can be displayed as follows :

1. Error Monitor Menu.
2. Error Reader.

1. Error Monitor Menu

ERROR MONITOR

1. IGNORE ERRORS OFF ON ► OFF

Operating Time : 0000167 h 45 min

Stored Errors :

1. A - B TU1350, Sub-Tuner

2. J - B TDA9320, Sub. Col. Dec.

3. No Error Occured

4. No Error Occured

5. No Error Occured

Current Error :

A-B. TU1350, Sub-Tuner

Last menu ◀ Enter Item ▶

2. Error Reader Display

The error reader display is connected to the service connector to read actual error codes. The part number for the error reader display is S-188-900-10. Once an error has been detected it will then be displayed on the two digit error reader. The errors displayed refer to the following table.

Error Code	Error Message
000h	No error occurred
001h	Bus error, IIC0
002h	Bus error, IIC1
100h	A-Board
101h	A-B. CXA1875, Port Expander
102h	A-B. TU1326, Main Tuner
103h	A-B. TU1350, Sub Tuner
200h	B1-Board
201h	B1-B. P83C654, Feature Box B1-B. SDA9280, D/A Converter
202h	B1-B. P83C654, Feature Box B1-B. SDA9280, D/A Converter
300h	B2-Board
301h	B2-B. SAA4977, BESIC
400h	BP-Board
401h	BP-B. CXD2069, MID
500h	D1 Board
501h	D1-B. CXA8070, Dynamic Converter
502h	D1-B. CXA1875, Port Expander
600h	E-Board
601h	E-B. CXD2100, Backend
700h	J-Board
701h	J-B. CXD2057, Auto Wide
702h	J-B. SDA9288, PIP
703h	J-B. Sub Colour Decoder TDA9320 or CXA2123
704h	J-B. Main Colour Decoder TDA9320 or CXA2123
705h	J-B. CXA1875, Sub-Sound
706h	J-B. TDA7309, HP-Amplifier
707h	J-B. TEA6422DT, Audio Switch
708h	J-B. MSP3410D, Sound Processor
709h	J-B. TC9337F, Sound DSP
70Ah	J-B. CXA21X9, AV Switch
800h	M-Board
801h	M-B. ST24C32, NVM

The operating instructions mentioned here are partial abstracts from the 'Operating Instruction Manual'. The page numbers of the 'Operating Instruction Manual' remain as in the manual.

Installation

6. Tuning your TV

Before you tune your TV, you will be asked to set your language and country.

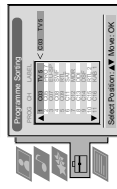
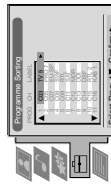
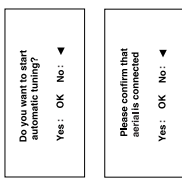
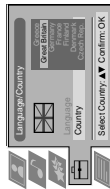
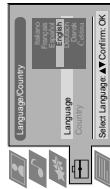
1. The Language/Country menu appears on the TV screen with the word 'English' highlighted.
2. Press the **▲** or **▼** buttons on the remote control to select your chosen language then press the OK button to confirm.
3. Press **▲** or **▼** to select the country in which you wish to operate the TV then press the OK button to confirm your choice. Select 'OFF' if you do not want your channels stored in a given channel sequence starting from programme position 1.
4. The 'autotune' menu appears on the TV screen in your selected language. Press the OK button to confirm.

5. Ensure the aerial is connected as instructed, then press the OK button to confirm. The TV starts to automatically search and store all available channels for you. This may take a few minutes - please be patient and do not press any buttons.

6. Once the TV has tuned all available channels the 'Programme Sorting' menu appears on the TV screen enabling you to change the order of the channels on your TV. If you wish to change the channel order, press the **▲** or **▼** buttons to select the channel you want to move, then press **►**. Press the **▲** or **▼** buttons to select the new programme number position for your selected channel then press the OK button to confirm. The selected channel now moves to its new programme position and the other channels move accordingly. Repeat this procedure if you wish to sort the order of other channels on your TV.

7. Press the MENU button to remove the menu from the TV screen.
8. Press the PROG \pm or the numbered buttons to view the TV channels.

Note: If you would like to stop the autotune process at any stage, press the OK button.



7. Finding your video channel

If you have connected a VCR to your TV, you now need to find your video channel.

1. Press the PROG \pm buttons on the TV remote control until your video picture appears on the TV screen.

Note: If you wish to move your video channel to a different programme position, refer to the 'Re-arranging the TV channels' section of this instruction manual.

Operation

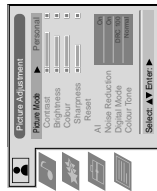
Using the TV menu system

The TV consists of a menu system which is based on a series of user friendly on-screen displays and menus. These displays will help you get the most from your TV, helping you to change picture and sound settings, to alter the size of the TV picture and to rearrange the TV channels etc.

Adjusting the picture and sound

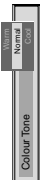
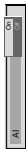
The picture and sound are preset at the factory. You can however adjust them to suit your own taste.

1. Press the MENU button on the remote control to display the menu on the TV screen.
2. Press the **▲** or **▼** buttons to select **Picture** for picture settings or **Sound** for sound settings then press **►** to enter either the 'Picture Adjustment' menu or the 'Audio Adjustment' menu.
3. Press the **▲** or **▼** buttons to select the item on the screen you wish to adjust then press **►** to confirm. For a description of the menu items and their effects, see the table below.
4. Press the **▲**, **▼**, **►** or **◀** buttons to adjust your selected item.
5. As soon as you have adjusted the item, press the OK button to store the new setting.
6. Repeat steps 3-5 if you wish to adjust any of the other items.
7. Press the MENU button to remove the menu from the TV screen.



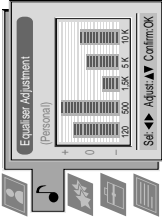
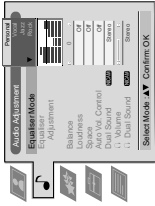


Picture Control

Item	Effect/Operation
Picture Mode	► Live (for live broadcasts) Personal (for individual settings) Movie (for movie broadcasts) ▲ Game (for computer games)
Contrast	Less ◀ ► More
Brightness*	Darker ◀ ► Brighter
Colour*	Less ◀ ► More
Hue**	Reddish ◀ ► Greenish
Sharpness*	Softer ◀ ► Sharper
*Only available if 'Personal' is selected in 'Picture Mode' **Only available for NTSC colour signal (eg. US video tapes)	
Reset	Resets picture to the factory preset levels
AI (Artificial Intelligence)	▼ Off: Normal. ▲ On: Automatic optimization of contrast level according to the TV signal.
Noise Reduction	► High: High noise reduction. Mid: Medium noise reduction. Low: Low noise reduction. Auto: Optimum noise reduction automatically selected. ▲ Off: No noise reduction.
Digital Mode	► Normal: Basic 100Hz picture quality. DRC 50: Improved picture resolution for viewing scrolling characters. ▲ DRC 100: Optimum picture resolution creating flicker-free pictures.
Colour Tone	► Warm: Gives a warm tint to the picture. Normal: Normal. ▲ Cool: Gives a cool tint to the picture.



Using the TV menu system:

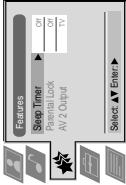
Sound Control

Item	Effect/Operation
Equaliser Mode	<div>▼ Personal</div> <div>Vocal</div> <div>Jazz</div> <div>Rock</div> <div>Pop</div> <div>▲ Flat (fixed setting, cannot be adjusted)</div>
Equaliser adjustment	<div>You can adjust the mode selected in Equaliser mode by cutting and boosting the 5 selected frequency bands.</div> <div>Press ◀ or ▶ to select the frequency band then ▼ or ▲ to adjust the frequency. Finally, press the OK button to store the new adjustment.</div> <div></div> <div></div>
	<div> If you want to store the new settings, you need to set the Equaliser mode to 'Personal'. Personal mode permanently stores the setting, all other modes (Vocal, Jazz, Rock, Pop) store only until the next mode change.</div>
Balance	<div>◀ More left</div> <div>▶ More right</div>
Loudness	<div>▼ Off:</div> <div>▲ On: For music broadcasts</div>
Space	<div>▼ Off:</div> <div>▲ On: Spatial acoustic effect</div>
Auto Vol. Control	<div>▼ Off: Volume level changes according to the broadcast signal.</div> <div>▲ On: Volume level of the channels will stay the same independent of the broadcast signal (eg in the case of advertisements).</div>
Dual Sound	<div>For a bilingual broadcast:</div> <div>▼ A for channel 1</div> <div>▲ B for channel 2</div> <div>For a stereo broadcast:</div> <div>▼ Mono</div> <div>▲ Stereo</div>
	<div> When NICAM stereo is being broadcast, the indication NICAM appears briefly on the screen.</div>
Headphones	
Volume	<div>Adjusts headphone volume.</div> <div>Can also adjust the volume level of additional equipment connected to the RCA sockets on the rear of the TV.</div>
Dual Sound	<div>Only available when PAP feature is selected:</div> <div>▼ Stereo: The sound of one screen comes through both the TV loudspeakers and the headphones.</div> <div>▲ PAP: The sound of the left screen comes through the TV loudspeakers, the sound of the right screen is selectable via headphones.</div>
	<div>For more detail on PAP, refer to the 'Operating PAP' section of this manual.</div>

Using the TV menu system:


Using the Features menu

Item	Effect/Operation
Sleep Timer	<div>You can select a time after which the TV switches itself into standby mode.</div> <div>▼ Off</div> <div>▲ 90 min</div> <div>▼ 10 min</div>
Parental Lock	<div>▼ Off: No parental lock.</div> <div>▲ On: This feature disables the TV buttons when the set is in standby mode. It is only possible to switch the set back on by pressing a button on the remote control.</div>
AV2 Output	<div>▼ TV audio/video signal from the aerial</div> <div>▲ AV1 audio/video signal from scart 1</div> <div>▲ AV2 audio/video signal from scart 2</div> <div>▲ AV3 audio/video signal from scart 3</div> <div>▲ AV4 audio/video signal from connectors on front of the TV</div>

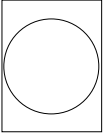


Changing the screen size

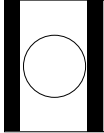
This feature allows you to change the size of the TV picture.

Press the  button on the remote control repeatedly or use the ▲ or ▼ buttons to select one of the following formats then press the OK button to confirm your selection:

- 4:3 conventional 4:3 picture size, full picture information.
- 16:9 for 16:9 broadcasts.



4:3



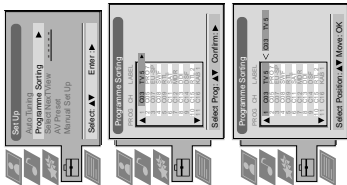
16:9

Using the TV menu system:

Re-arranging the TV channels

1 After tuning the TV, you can use this feature to change the order of the channels on the TV.

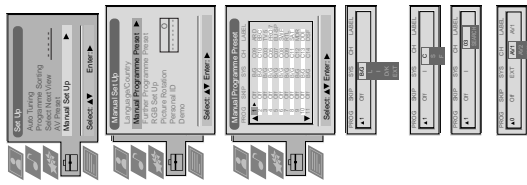
1. Press the MENU button on the remote control to display the menu on the TV screen.
2. Press the \blacktriangledown button to select the ⏏ symbol on the menu screen then press \blacktriangleright to enter the 'Set Up' menu.
3. Press the \blacktriangledown button to select 'Programme Sorting' then press \blacktriangleright to enter the 'Programme Sorting' menu.
4. Press the \blacktriangle or \blacktriangledown buttons to select the channel you want to move then press \blacktriangleright to confirm.
5. Press the \blacktriangle or \blacktriangledown buttons to select the new programme position (eg PROG 4) for your selected channel then press the OK button to confirm. The selected channel now moves to its new programme position and the other channels move accordingly.
6. Repeat steps 4 and 5 if you wish to sort the other channels.
7. Press the MENU button to remove the menu from the TV screen.



Manually tuning the TV

1 You have already tuned the TV automatically using the instructions at the start of this manual. You can however carry out this operation manually, adding channels to the TV, one at a time.

1. Press the MENU button on the remote control to display the menu on the TV screen.
2. Press the \blacktriangledown button to select the ⏏ symbol on the menu screen then press \blacktriangleright to enter the 'Set Up' menu.
3. Press the \blacktriangledown button to select 'Manual Set Up' on the menu screen then press \blacktriangleright to enter the 'Manual Programme Preset' menu.
4. Press the \blacktriangledown button to select 'Manual Programme Preset' on the menu screen then press \blacktriangleright to enter the 'Manual Programme Preset' menu.
5. Press the \blacktriangle or \blacktriangledown buttons to select a programme number for your channel (eg PROG 1 for BBC1) then press \blacktriangleright to highlight the 'SKIP' column.
6. Press \blacktriangle to select 'OFF' then press \blacktriangleright to highlight the 'SYS' column.
7. Press the \blacktriangle or \blacktriangledown buttons to select the TV broadcast system or 'EXT' for a video input source (AV1, AV2, ...) then press \blacktriangleright to confirm.
8. Press the \blacktriangle or \blacktriangledown buttons to select 'C' for terrestrial channels, 'S' for cable channels, or 'F' for direct frequency inputs then press \blacktriangleright to confirm.
9. Select the first number digit of 'CH' (channel) then the second number digit of 'CH' with the number buttons on the remote control or Press the \blacktriangledown button to search for the next available channel.
10. If you do not wish to store this channel on the programme number you selected, press the \blacktriangle or \blacktriangledown buttons to continue searching for the desired channel.
11. If this is the channel you wish to store, press the OK button.
12. Repeat steps 5-11 if you wish to store more channels then press the MENU button to remove the menu from the TV screen.

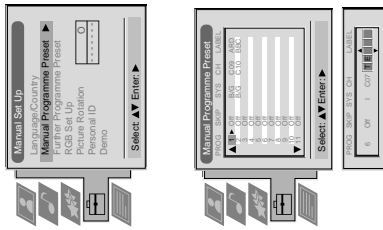


Using the TV menu system:

Naming a channel

1 Names for channels are usually taken automatically from Teletext if available. You can however name a channel or an input video source using up to five characters (letters or numbers).

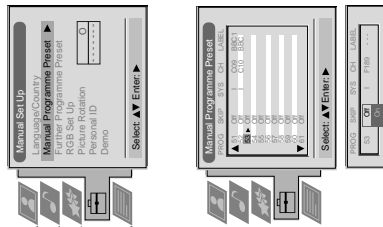
1. Press the MENU button on the remote control to display the menu on the TV screen.
2. Press the \blacktriangledown button to select the ⏏ symbol on the menu screen then press \blacktriangleright to enter the 'Set Up' menu.
3. Press the \blacktriangledown button to select 'Manual Set Up' then press \blacktriangleright to enter the 'Manual Set Up' menu.
4. Press the \blacktriangledown button to select 'Manual Programme Preset' then press \blacktriangleright to enter the 'Manual Programme Preset' menu.
5. Press the \blacktriangle or \blacktriangledown buttons to select the channel you wish to name.
6. Press the \blacktriangleright button repeatedly until the first element of the 'LABEL' column is highlighted.
7. Press the \blacktriangle or \blacktriangledown buttons to select a letter or number (select '.' for a blank) then press \blacktriangleright to confirm. Select the other four characters in the same way.
8. After selecting all the characters, press the OK button.
9. Repeat steps 5 to 8 if you wish to label other channels.
10. Press the MENU button to remove the menu from the TV screen.



Skipping programme positions

1 This function enables you to skip unused programme positions when selecting them with the PROG +/- buttons. However, by using the number buttons you can still select the skipped programme position.





1. Press the MENU button on the remote control to display the menu on the TV screen.
2. Press the \blacktriangledown button to select the ⏏ symbol on the menu screen then press \blacktriangleright to enter the 'Set Up' menu.
3. Press the \blacktriangledown button to select 'Manual Set Up' then press \blacktriangleright to enter the 'Manual Set Up' menu.
4. Press the \blacktriangledown button to select 'Manual Programme Preset' then press \blacktriangleright to enter the 'Manual Programme Preset' menu.
5. Press the \blacktriangle or \blacktriangledown buttons to select the programme position then press \blacktriangleright to highlight the 'SKIP' column.
6. Press the \blacktriangle or \blacktriangledown buttons to select 'Off' or 'On' (if you wish to skip this programme position) then press the OK button to store.
7. Repeat steps 5 and 6 if you wish to skip or unskip further programme positions.
8. Press the MENU button to remove the menu from the TV screen.



Using the TV menu system:



Using the Further Programme Preset feature

i With this feature you can a) adjust the attenuation of each channel, b) individually adjust the volume level of each channel, c) manually fine-tune the TV to obtain a better picture reception if the picture is distorted or d) preset the AV output for the programme positions of channels with scrambled signals (eg from a pay TV decoder). In this way a connected VCR records the unscrambled signal.



1. Press the MENU button on the remote control to display the menu on the TV screen.
2. Press the  button on the menu screen then press  to enter the 'Set Up' menu
3. Press the  button to enter the 'Manual Set Up' menu.
4. Press the  button to enter the 'Further Programme Preset' menu.

5. Press the  or  buttons to select the relevant programme number then press the  button repeatedly to select a) ATT b) VOL c) AFT or d) DECODER. The selected item changes colour.



6. a)ATT - RF Attenuator

Press the  or  buttons to switch attenuator 'on' or 'off'. Press the OK button to confirm the selection. Repeat steps 5 and 6a if you wish to adjust the attenuation of the other channels.



b)VOL - Volume Offset

Press the  or  buttons to adjust the volume level (range -7 to +7) of the channel. Store by pressing the OK button. Repeat steps 5 and 6b if you wish to adjust the volume level of the other channels.

c) AFT - Automatic Fine Tuning

Press the  or  buttons to fine tune the channel frequency over a range of -15 to +15. Press the OK button to confirm. Repeat steps 5 and 6c if you wish to fine tune other channels.








d)DECODER

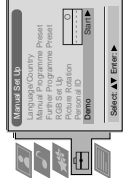
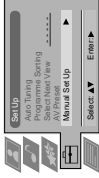
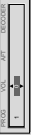
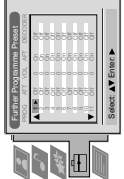
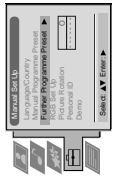
Press the  or  buttons to select AV1 or AV2 for the programme position then press the OK button to confirm. You can now attach a decoder to the AV1 or the AV2 socket on the back of the TV and the picture from that decoder will appear on this programme number. Repeat steps 5 and 6d to preset the AV output for other programme positions.

7. Press the MENU button to remove the menu from the TV screen.

Selecting the 'Demo' feature

i This function provides an overview of some of the features available on the TV.








1. Press the MENU button on the remote control to display the menu on the TV screen.
2. Press the  button to select the  symbol on the menu screen then press  to enter the 'Set Up' menu.
3. Press the  button to enter the 'Manual Set Up' menu.
4. Press the  button to select 'Demo' then press  to start the demonstration (which lasts for approximately 5 minutes).
5. Press the  button to remove the demonstration from the TV screen.

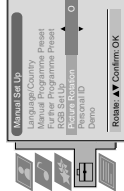
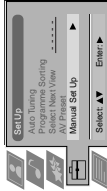


Using the TV menu system:

Adjusting the picture rotation















i Because of the earth's magnetism the picture might slant. In this case you can readjust the picture.

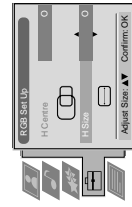
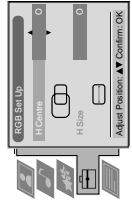
1. Press the MENU button on the remote control to display the menu on the TV screen.
2. Press the  button to select the  symbol on the menu screen then press  to enter the 'Set Up' menu.
3. Press the  button to enter the 'Manual Set Up' menu.
4. Press the  button to enter the 'Picture Rotation' sub menu.
5. Press the  or  buttons to rotate the picture over a range of -5 to +5 then press the OK button to store.
6. Press the MENU button to remove the menu from the TV screen.



Adjusting the picture geometry for an RGB source

i When connecting an RGB source such as a Sony Playstation you may need to readjust the geometry of the picture.

1. Press the  button on the remote control to select the connected RGB source 1.
2. Press the MENU button to display the menu on the TV screen.
3. Press the  button to select the  symbol on the menu screen then press  to enter the 'Set Up' menu.
4. Press the  button to enter the 'Manual Set Up' menu.
5. Press the  button to select 'RGB Set Up' on the menu screen then press  to enter the 'RGB Set Up' sub menu.
6. Press  to select H Centre then press  or  to adjust the centre of the picture over a range of -10 to +10. Store the new range by pressing the OK button.
7. Press  to select H Size then press  or  to adjust the horizontal coordinates over a range of -10 to +10. Store the new range by pressing the OK button.
8. Press the MENU button to remove the menu from the TV screen.



* depending on availability of service



NexTVview is an on-screen electronic programme guide, providing you with programme information for different broadcasters.

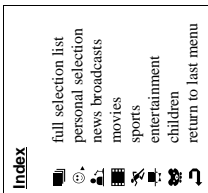
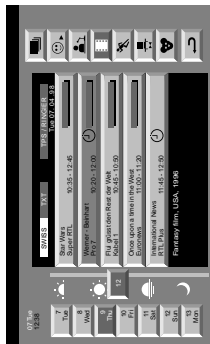
Selecting your NexTVview provider

Your TV set automatically selects the best NexTVview provider for you. This provider is available about 30 minutes after the channel tuning. You can however change this selection of provider if you wish.

1. Press the MENU button on the remote control to display the menu on the TV screen.
2. Press the ▲ or ▼ buttons to select the symbol on the menu screen then press ► to enter the 'Set Up' menu.
3. Press the ▲ or ▼ buttons to highlight 'Select NexTVview' then press ► to confirm. A list is displayed containing all available NexTVview providers.
4. Press the ▲ or ▼ to select the desired NexTVview provider then press the OK button to store.
5. Press the MENU button to remove the menu from the TV screen.

Displaying NexTVview

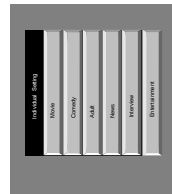
1. Press the button repeatedly on the remote control to switch NexTVview on and off.
- * In some cases, you may also need to press the ◀ button to display the Sony electronic programme guide.
2. Press the ▲, ▼, ◀ or ▶ buttons to move the cursor around the screen.
3. Press the OK button to confirm a selection.
 - a. If you press the OK button in the date, time or icon (themes) columns, you change the programme list according to the selection.
 - b. If you press the OK button in the programme list, you directly display the channel if the broadcast is currently running, or, you display the 'Long Info' menu if the broadcast is running at some future time.



Using the 'Individual Setting' menu

You can make a personal list of the types of programmes you wish to view on the programme guide.

1. Press the ▲ or ▼ buttons to select the icon then press ► to display the 'Individual Setting' menu.
2. Press the ▲ or ▼ to select your chosen item on the screen then press the OK button to confirm your choice.
3. Repeat step 2 for all the items you wish to have in your list.
4. When you have finished the list, press ► to select on the menu screen.
5. Press the OK button to return to the previous menu.
6. Press the ▲ or ▼ buttons to select the icon then press the OK button again to activate your 'Individual Setting' filter.



Using the 'Long Info' menu

With this 'Long Info' menu screen, you can set timers or record selected programmes.

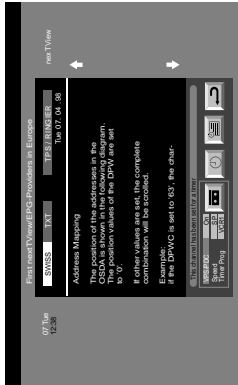
1. Press the ▲ or ▼ to select a future programme in the programme list column.
2. Press the OK button to display the 'Long Info' menu on the TV screen.

To set the timer

Press the ◀ or ▶ buttons to highlight the icon then press the OK button repeatedly to 'set the timer' or 'cancel the timer'. If you choose to set the timer, the programme is marked with a clock symbol and a message appears on the screen shortly before the programme is due to start asking whether you wish to still view this programme.

To view the timer table

Press the ◀ or ▶ buttons to highlight the icon then press the OK button repeatedly to switch on/off the timer table. This table shows the programmes on which you have already set a timer. (You can set a timer on up to 5 programmes).



To record programmes*

* (only with Smartlink VCRs)

1. Connect your Smartlink VCR to the AV2 socket on your TV.
2. Press the ◀ or ▶ to select then press the OK button to download the information to your VCR.
3. To set up the VCR:

VPS/PDC

Press ◀ to select VPS/PDC then press the OK button repeatedly to select 'On' or 'Off'. With this setting on you have the guaranteed recording of the whole broadcast should there be a change in the TV programme. This only works if the selected channel broadcasts a VPS/PDC signal.

Speed

Press ► to select 'Speed' then press the OK button repeatedly to select between 'SP' for standard play or 'LP' for longplay. With longplay you can record twice as much on a videotape. The picture quality however may suffer.

VCR Setup


Press ► to select 'VCR Setup' then press the OK button repeatedly to select which VCR you wish to programme, namely 'VCR1' or 'VCR2'.

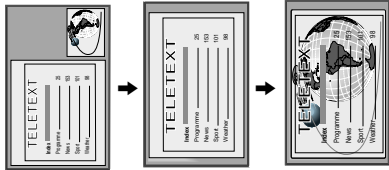
4. Finally, press ► to select the icon then press the OK button to remove the menu from the TV screen.





Teletext




i Most TV channels broadcast information via Teletext. The index page of the teletext service (usually page 100) gives you information on how to use the service. Please use a TV channel with a strong signal, otherwise there may be Teletext errors.


Switching Teletext on and off

1. Select the TV channel which carries the teletext service you want to view.
2. Press the  button once for Picture and Teletext (P&T). The screen is divided in two, with the TV channel in the right corner and the Teletext display on the left.



i In P&T mode press  then press **PROGR** +/- to change the channel of the TV screen. Press  or  to change the size of the TV screen then press  again to resume normal teletext reception.

3. Press  twice to get Teletext only.
4. Press  three times for Mix mode.
5. Press  a fourth time to switch off Teletext.



i To exit Teletext mode at any time, press the  button on the remote control.

Selecting a Teletext page



Input three digits for the page number using the numbered buttons on the remote control. If you make a mistake, type in any three digits then re-enter the correct page number.

Using Other Teletext Functions


Selecting the next or preceding page

Press the  or  buttons on the remote control to select the previous or next page.


Selecting a sub page

A teletext page may consist of several sub pages. In this case an information line is displayed, showing the number of subpages. Select the sub page by pressing  or .

To freeze a Teletext page

Press the  button to freeze the page. Press again to cancel the freeze.

Revealing the index page



Press the  button to reveal the index page (normally page 100).

Using colour buttons to access pages (Fastext)

(only available if the TV station broadcasts Fastext signals)




When the colour coded menu appears at the bottom of a page, press a coloured button on the remote control (green, red, yellow or blue) to access the corresponding page.

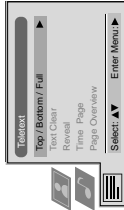
Using the feature 'Page Catching'

1. Press the numbered buttons on the remote control to select a teletext page which has several page numbers on it (eg the index page).
2. Press the OK button.
3. Press  or  to select the desired page number then press the OK button. The requested page is displayed after some seconds.




Teletext

Using the Teletext menu

1. With Teletext switched on, press the MENU button on the remote control to display the menu on the TV screen.
2. Press  or  to select your chosen item on the screen then press  to display the relevant sub menu.
3. To remove the Teletext menu from the screen, press the MENU button.









Top/Bottom/Full

The Top/Bottom/Full sub menu allows you to enlarge different sections of the Teletext page. Press  to enlarge the upper half of the screen, Press  to enlarge the lower half. Press the OK button to restore the page to normal size. Press  to return to the Teletext menu screen.

Text Clear*




*available on Teletext Only and Mix modes (Refer to 'Switching Teletext on and off')

Text Clear is a function that displays a TV channel while a Teletext page is being searched for.

1. Press the  button on the remote control twice to select full screen text.
2. Press the MENU button to display the 'Teletext' menu.
3. Press  or  to highlight 'Text Clear' and press  to select.
4. The current TV channel is displayed. Once the text page has been found a blue  symbol will appear in the top left hand corner of the screen.
5. Press the  button on the remote control to view the page.

Reveal




Some Teletext pages contain hidden information (eg for a quiz), which can be revealed.

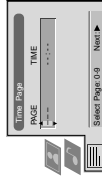
1. In text mode press the MENU button on the remote control to access the 'Teletext' menu.
2. Press  or  to highlight 'Reveal' and press  to select. The hidden information is displayed on the screen.

Time Page*

*depending on availability of service, Time Page is available on Teletext Only and Mix modes.

Time Page allows a time-coded Teletext page (such as an alarm page), to be displayed at a set time.





1. In Text mode press the MENU button on the remote control to access the 'Teletext' menu.
2. Press  or  to highlight 'Time Page' and press  to select. The 'Time Page' sub menu is displayed.
3. Enter the desired page number using the numbered buttons on the remote control.
4. Enter the desired time using the remote control.
5. Press OK to confirm the settings. The TV will exit Teletext mode and the time will be displayed in the top left hand corner of the screen. At the requested time the desired page is displayed.



Page Overview*

*only available if TOP-Text is transmitted by the TV station.

In this menu the TOP-Text pages are divided into two columns, the first column showing 'blocks' of pages and the second showing 'groups' of pages.

1. Press  or  to select the first or second column.
2. Press  or  to select the relevant 'group' or 'block' of pages.
3. Press the OK button to display the chosen pages.

Specifications

TV system

B/G/H, D/K

Colour system

PAL, SECAM
NTSC 3.58, 4.43 (only Video In)

Channel coverage

See the "Channel Display Table" below.

Picture tube

FD Trinitron, Approx. 86cm (34 inches)

Rear Terminals

- Ⓔ1 / Ⓔ1 21-pin Euro connector (CENELEC standard) including audio/video input, RGB input, TV audio/video output.
- Ⓔ2 / Ⓔ2 21-pin Euro connector (CENELEC standard) including audio/video input, S-video input. Selectable audio/video output.
- Ⓔ3 / Ⓔ3 21-pin Euro connector (CENELEC standard) including audio/video input, S-video input. Monitor audio/video output.
- Ⓔ LGS/J RCA connectors, variable output for audio signals.



Front Terminals

- Ⓔ4 Video input - phono jacks
- Ⓔ4 Audio inputs - phono jacks
- Ⓔ4 S-video input - 4 pin DIN
- Ⓔ4 Headphones jack - minijack stereo

Channel Display Table

	Receivable Channels	Channel Displays
B/G/H	E2..I2, 21..69	C02..C12, C21..69
KABEL-TV (1)	S1..S41	S01..S41
KABEL-TV (2)	S01..S05	S42..S46
	M1..M10	S01..S10
	U1..U10	S11..S20
ITALIEN	A, B, H, H1, H2	C13, C14, C20, C11, C12
D/K	R01..R12, R21..R69	C01..C12, C21..C69
	S01..S05	S42..S46

Troubleshooting

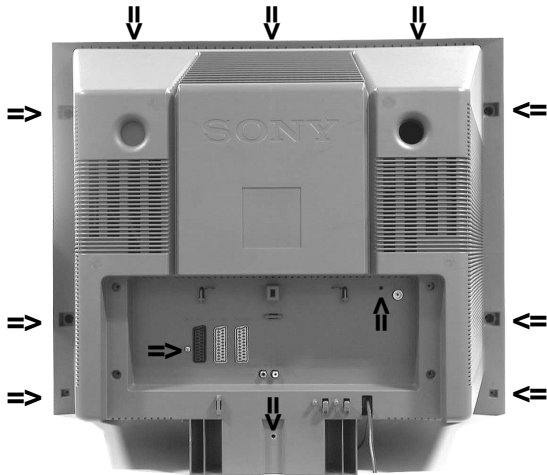
Here are some simple solutions to problems which may affect the picture and sound.

Problem	Suggested remedy
No picture (screen is dark), no sound.	<ul style="list-style-type: none">• Plug the TV in.• Press the Ⓔ button on the front of the TV.• If the Ⓔ indicator is on press the I/O button or a numbered button on the remote control.• Check the aerial connection.• Turn the TV off for 3 or 4 seconds and then turn it on again using the Ⓔ button on the front of the TV.
Poor or no picture (screen is dark), but good sound.	<ul style="list-style-type: none">• Using the MENU system, select the Picture Adjustment display. Adjust the brightness, picture and colour balance levels.• From the Picture Adjustment display select RESET to return to the factory settings.
Good picture, no sound.	<ul style="list-style-type: none">• Press the Ⓔ button on the remote control.• If Ⓔ is displayed on the screen, press the Ⓔ button on the remote control.
No colour on colour programmes.	<ul style="list-style-type: none">• Using the MENU system, select the Picture Adjustment display and adjust the colour setting.• From the Picture Adjustment display select RESET to return to the factory settings.
Distorted picture when changing programmes or selecting Teletext.	<ul style="list-style-type: none">• Turn off any equipment connected to the scart connectors on the rear of the TV.
Remote control does not function.	<ul style="list-style-type: none">• Replace the batteries.
The standby indicator Ⓔ on the TV flashes.	<ul style="list-style-type: none">• Contact your nearest Sony service centre.
Interference on picture from external equipment.	<ul style="list-style-type: none">• Reduce sharpness level.

- If you continue to have these problems, have your TV serviced by qualified personnel.
- NEVER open the casing yourself.

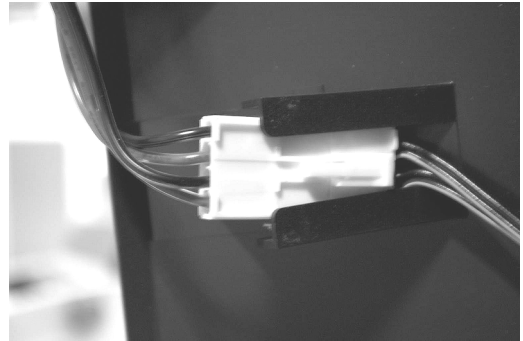
SECTION 2 DISASSEMBLY

2-1. Rear Cover Removal



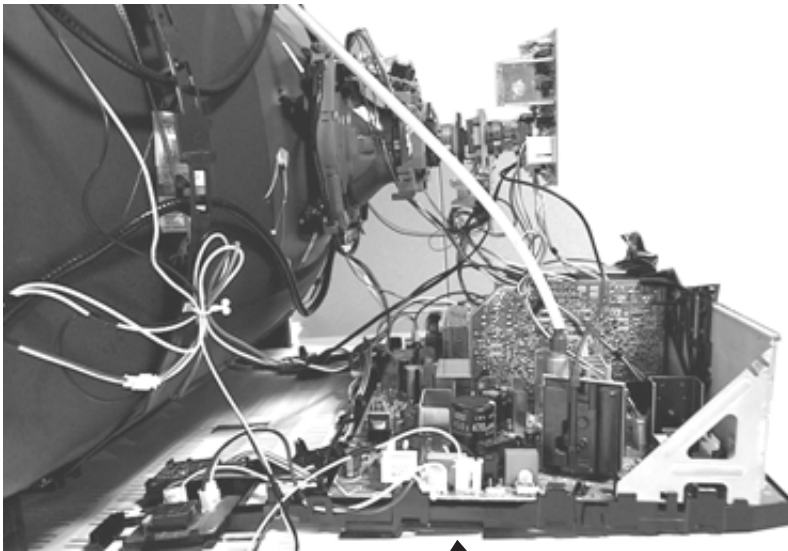
Remove the 12 rear cover fixing screws indicated. Take care when removing the rear cover not to damage the speaker cables [Disconnect the speaker connector] as speakers are fitted inside the rear cover.

2-2. Speaker Connector Disconnection

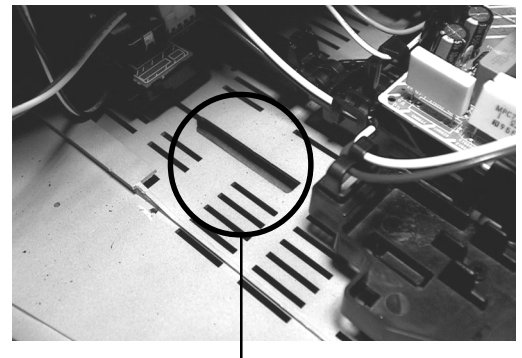


Before completely removing the rear cover disconnect the speaker connector which is located in a bracket on the inside of the cover.

2-3. Chassis Removal and Refitting

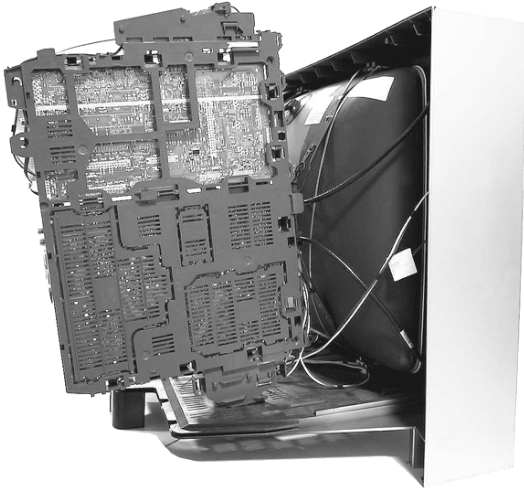


To remove lift the main bracket rear slightly and slide the chassis away from the bezel. Ensure that the interconnecting leads are released from their purse locks to prevent damage being caused.



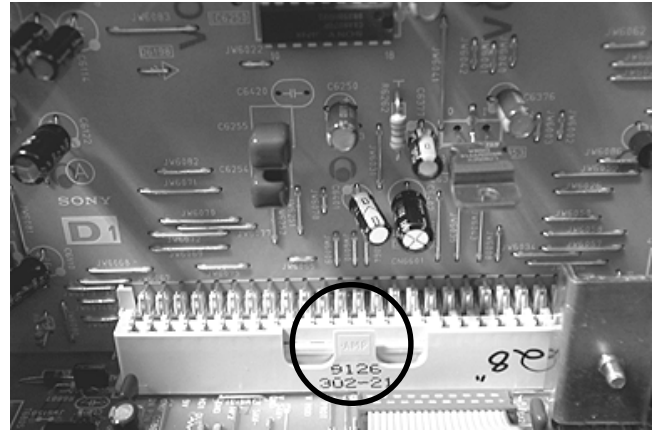
When refitting the chassis ensure that the main bracket is located in the bezel guide slots before sliding the chassis forwards. Refit the interconnecting leads in their respective purse locks.

2-4. Service Position



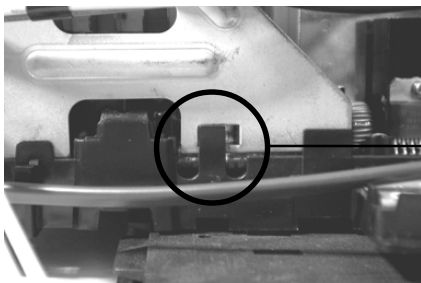
Position the chassis as indicated to access the its underside. To gain access to the D Board follow the instructions on page 19. [Removal and Replacement of the main bracket bottom plates].

2-5. D1 Board Removal



To remove the D1 Board release the clip circled and carefully remove the board in a vertical direction.

2-6. J Board Removal



Clip

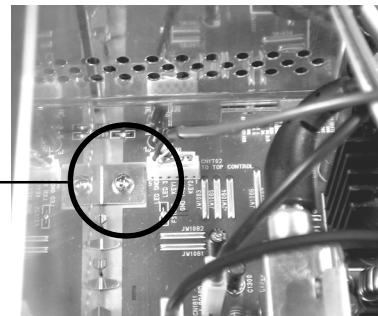
Release the two metal bracket support clips located on either side of the chassis. Tilt the bracket very slightly away from the shield case indicated. Release the J board board socket retaining clip and carefully lift the complete assembly vertically.



Shield case

2-7. B3 Board Removal

Follow the steps indicated in removal of the J board. With the assembly removed access to the B3 board shield is possible. To remove the shield locate and remove the two screws positioned on either side and at opposite ends of the shield. Release the B3 board clip and remove in a vertical direction. Please ensure that the screws are refitted after service.



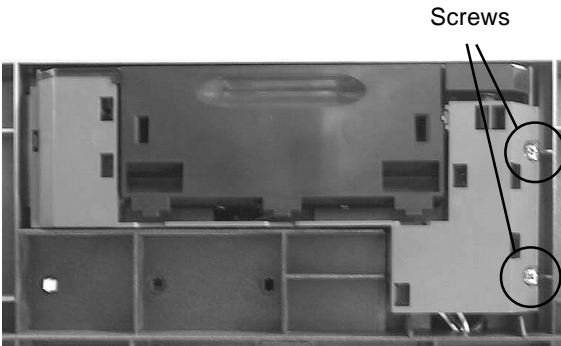
Screw

Note :

Removal of the B3, E, and M1 printed circuit boards follows the same procedure of releasing the securing clips as indicated in the fig for D1 board removal. Take care not to apply too great a pressure to the clips as this may cause damage.

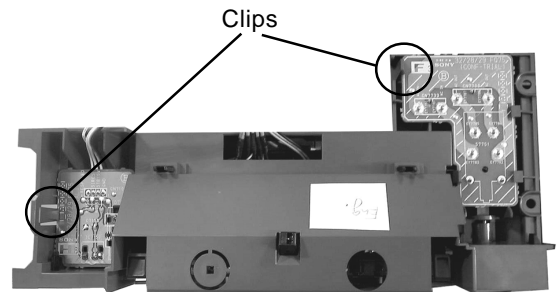
2-8. Front Control Module Removal

Remove the two screws fixing the user control module to the front underside of the set. The control module drops down to allow access to the boards.



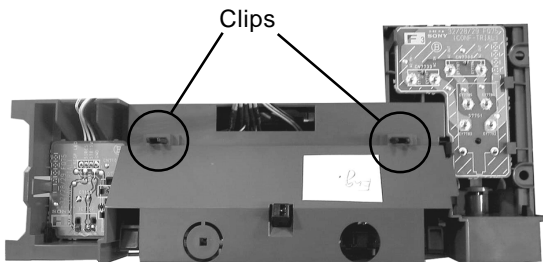
2-9. F3 and H6 Board Removal

To remove the F3 and H6 Boards release the clips circled and ease the boards gently away from the main support bracket.



2-10. H5 Board Removal

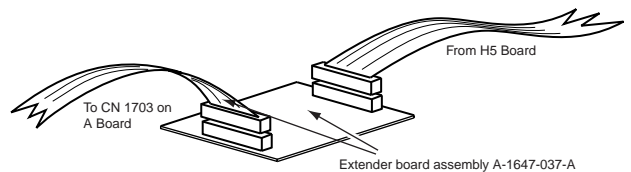
To remove the H5 Board, first remove the control door from bracket by releasing the clips circled and pushing them through the main support bracket.



Removal of H5 Board follows the same procedure as removal of the F3 and H6 Boards.

2-11. Service Connector for H5 Board

If there is a requirement to use the front video and audio sockets when the chassis is placed in its service position, it would be necessary to use an extender board and extension cable as indicated below.

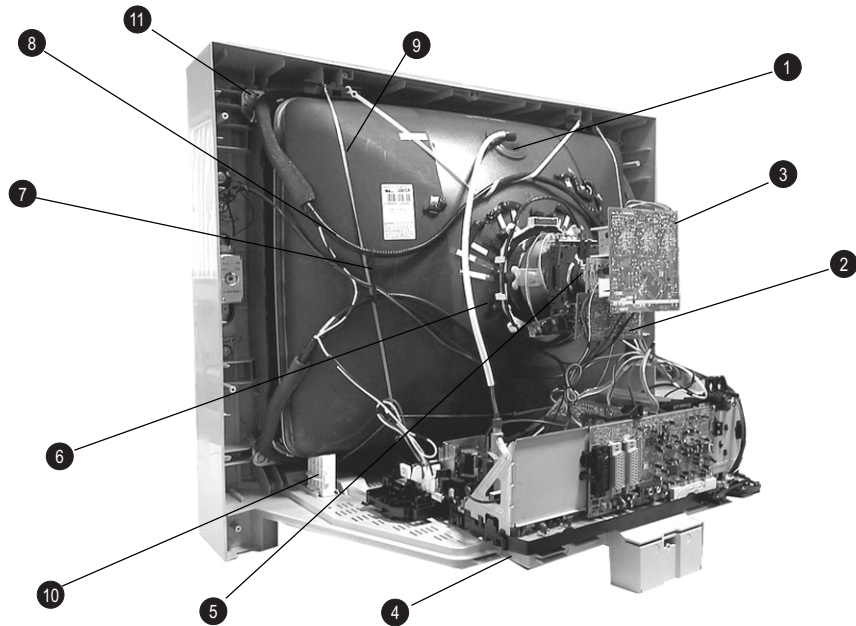
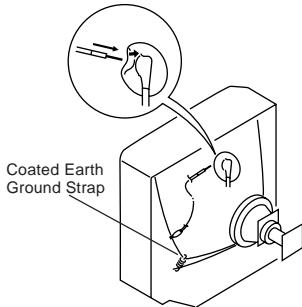


The Extender board and extension cable are available as a service part by ordering the following part number [A-1647-037-A].

2-12. Picture Tube Removal

WARNING: BEFORE REMOVING THE ANODE CAP

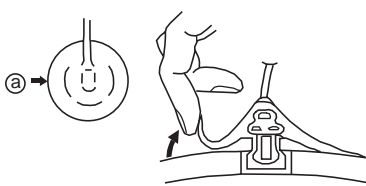
High voltage remains in the CRT even after the power is disconnected. To avoid electric shock, discharge CRT **before** attempting to remove the anode cap. Short between anode and CRT coated earth ground strap.



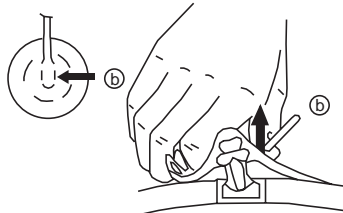
1. Discharge the anode of the CRT and remove the anode cap.
2. Unplug all interconnecting leads from the Deflection yoke, neck assy, degaussing coils and CRT grounding strap.
3. Remove the C Board from the CRT.
4. Remove the chassis assembly.
5. Loosen the Neck assembly fixing screw and remove.
6. Loosen the Deflection yoke fixing screw and remove.
7. Place the set with the CRT face down on a cushion and remove the Degaussing Coil holders.
8. Remove the Degaussing Coils.
9. Remove the CRT grounding strap and spring tentioners.
10. Remove the CRT support blocks.
11. Unscrew the four CRT fixing screws [located on each CRT corner] and remove the CRT.
[Take care not to handle the CRT by its neck.]

Removal of the Anode-Cap

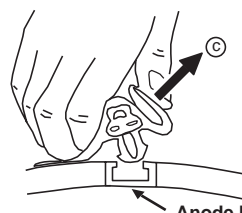
* REMOVING PROCEDURES.



- ① Turn up one side of the rubber cap in the direction indicated by the arrow (a)



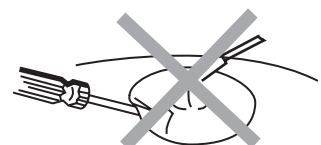
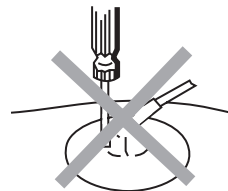
- ② Using a thumb pull up the rubber cap firmly in the direction indicated by the arrow (b)



- ③ When one side of the rubber cap is separated from the anode button, the anode-cap can be removed by turning up the rubber cap and pulling it up in the direction of the arrow (c)

How to handle the Anode-Cap

1. To prevent damaging the surface of the anode-cap do not use sharp materials.
2. Do not apply too great a pressure on the rubber, as this may cause damage to the anode connector.
3. A metal fitting called a shatter hook terminal is fitted inside the rubber cap.
4. Do not turn the rubber foot over excessively, this may cause damage if the shatter hook sticks out.

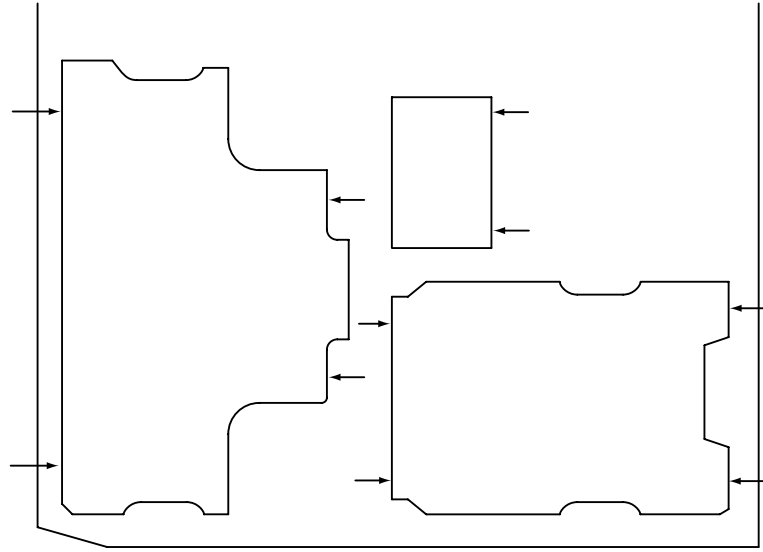


REMOVAL AND REPLACEMENT OF THE MAIN-BRACKET BOTTOM PLATES.

(1) REMOVING THE PLATES

In the event of servicing being required to the solder side of the D Board printed wiring board, the bottom plates fitted to the main chassis bracket require to be removed. This is performed by cutting the gates with a sharp wire cutter at the locations indicated by the arrows.

Note : There are 3 plates fitted to the main bracket and secured by 3 gates.
Only remove the necessary plate to gain access to the printed wiring board.

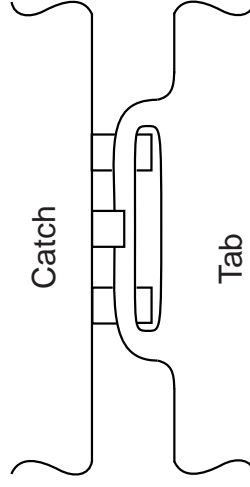


For safety reasons, on no account should the plates be removed and not refitted after servicing.

(2) REFITTING THE PLATES

Because the plates differ in size it is important that the correct plates are refitted in their original location.

Please note that the plates need to be rotated 180 degrees from their cut position to allow the tabs to be fitted into their catch positions.



SECTION 3 SET-UP ADJUSTMENTS

- When complete readjustment is necessary or a new picture tube is installed, carry out the following adjustments.
- Unless there are specific instructions to the contrary, carry out these adjustments with the rated power supply.
- Unless there are specific instructions to the contrary, set the controls and switches to the following settings :

Contrast normal

Brightness normal

Carry out the adjustments in the following order :

- 3-1. Beam Landing.
- 3-2. Convergence.
- 3-3. Focus.
- 3-4. White Balance.

Note : Test equipment required.

1. Color bar/pattern generator.
2. Degausser.
3. Oscilloscope.
4. Digital multimeter.

3-1. Beam Landing

Preparation :

1. In order to reduce the influence of geomagnetism on the set's picture tube, face it in an easterly or westerly direction.
2. Switch on the TV set's power and degauss with a degausser.

(1) Adjustment of Correction Magnet for Y-Splitting Axis.

1. Input a crosshatch signal from the pattern generator.
2. Set the Picture control to minimum and confirm that the Brightness control is set to normal.
3. Position the neck assembly as indicated in Fig.3-3.
4. Loosen the deflection yoke fixing screw.
5. Move the deflection yoke as far forward as is possible.
6. Adjust the upper and lower pin symmetrically by opening or closing the Y-splitting axis correction magnets located on the neck assembly. [See Fig 3-1 and Fig 3-2]
7. Return the deflection yoke to its original position and re-tighten its fixing screw.

Fig.3-1

Y-splitting axis correction magnet

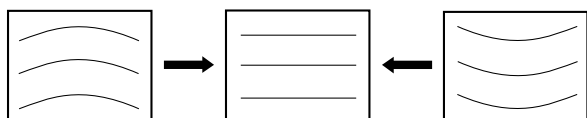
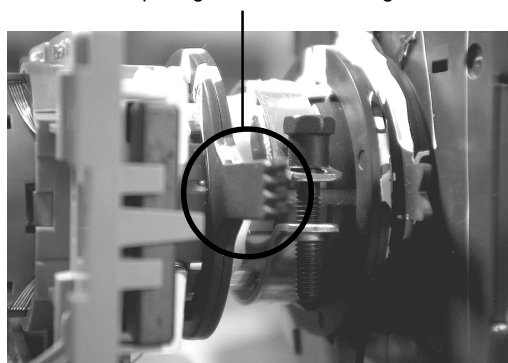


Fig.3-2

Caution :

High voltages are present on the Deflection yoke terminals - take care when handling the Deflection yoke whilst carrying out adjustments.

(2) Landing

Note : Before carrying out the following adjustments adjust the magnets as indicated below [See Fig.3-4].

1. Input a crosshatch signal from the signal generator.
2. Rough-adjust the focus and horizontal convergence.
3. Switch from the crosshatch pattern to an all-red pattern.
4. Move the deflection yoke backwards and adjust with the purity magnet so that the red is at the centre and it aligns symmetrically [See Fig.3-5].
5. Move the deflection yoke forward to the point where the entire screen just becomes red [Mark its position].
6. Move the deflection yoke further forward until the screen just changes colour at the edges. [Mark its position]
7. Position the deflection yoke between the two marks indicated above.
8. Input a crosshatch pattern from the pattern generator and rotate the deflection yoke so that the horizontal lines are parallel with the top and bottom of the screen.
9. When the position of the deflection yoke has been determined, fasten it with its fixing screw.
10. Switch the pattern generator to green then blue and confirm the purity.
11. If the beam does not land correctly in all the corners of the screen, use disk magnets to correct it. [Confirm the corner landing for green and blue]

Fig.3-3

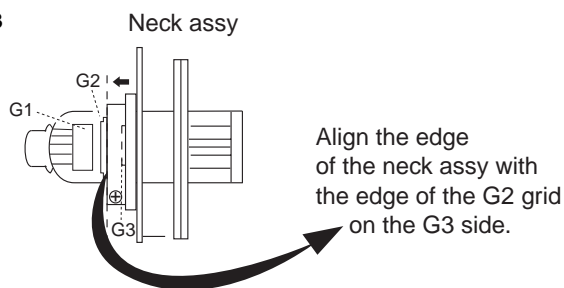


Fig.3-4

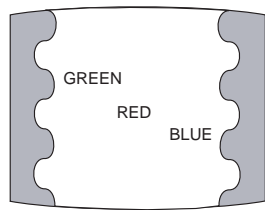
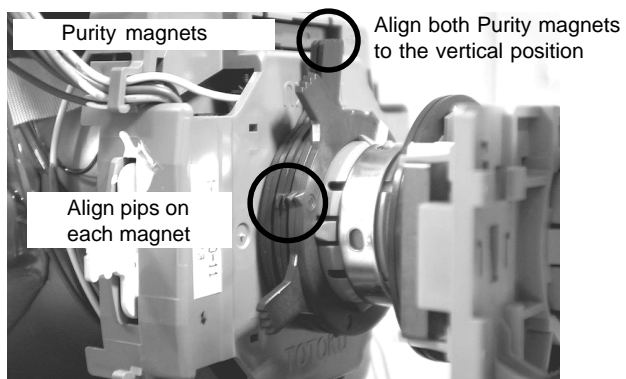
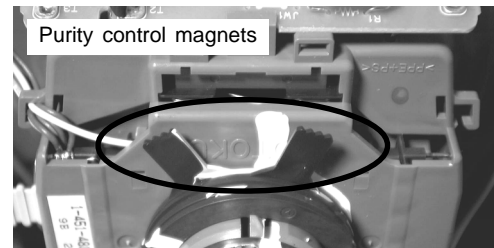
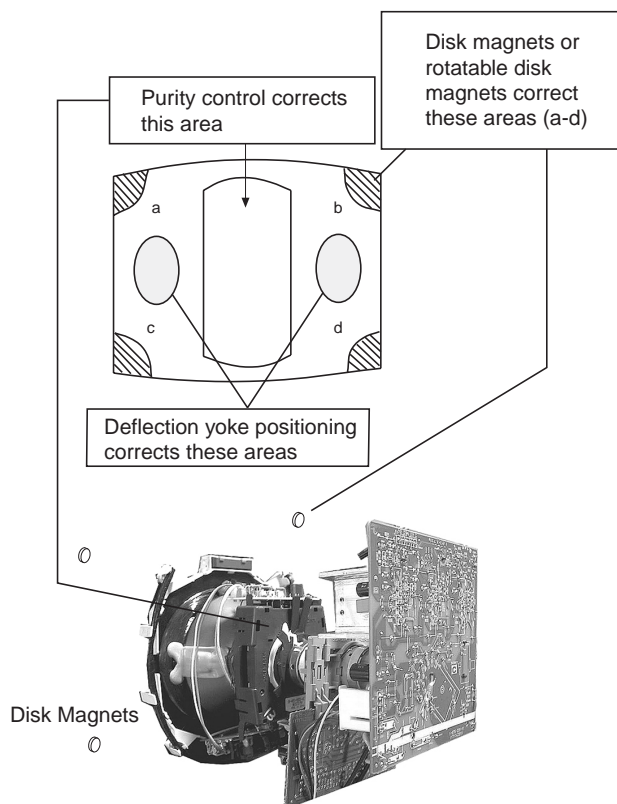


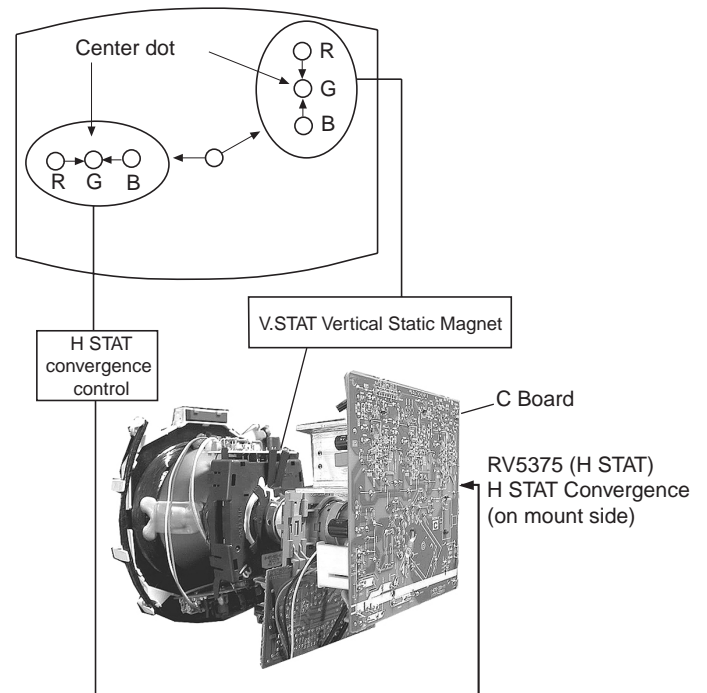
Fig.3-5



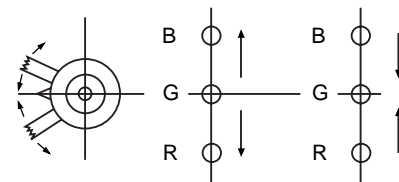
3-2. Convergence

(1) Screen centre convergence [Static convergence]

1. Input a dot pattern signal from the pattern generator.
2. Normalize the picture setting.
3. [Moving vertically], adjust the V.STAT magnet so that the vertical red, green and blue dots coincide at the centre of the screen.



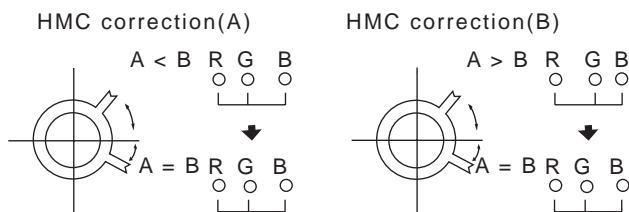
By opening or closing the V.STAT magnet, the red green and blue dots move in the direction indicated below.



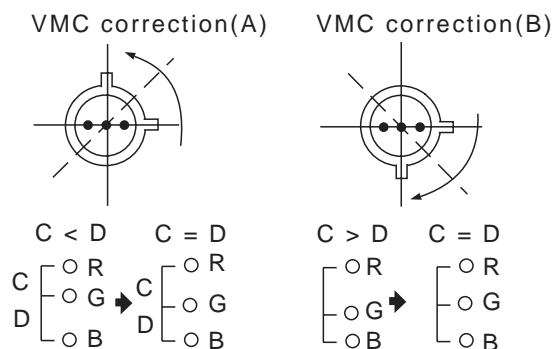
Note: Do not adjust the H.STAT by rotating the V.STAT magnets as this can affect the focus setting.

4. Correction for HMC [Horizontal mis-convergence] and VMC [Vertical mis-convergence] by using the BMC [Hexapole] magnet.

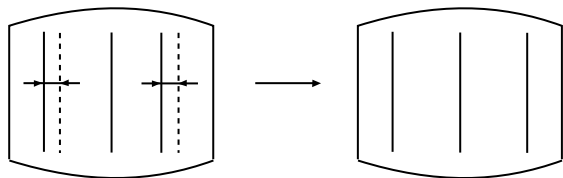
- a). HMC correction by BMC [Hexapole] magnet and movement of the electron beam.



- b). VMC correction by BMC [Hexapole] magnet and movement of the electron beam.

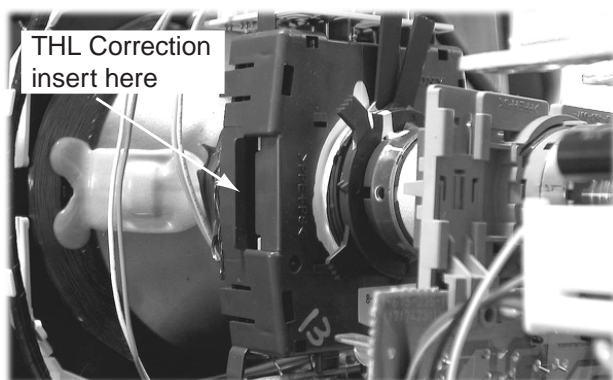


HAMP Adjustment

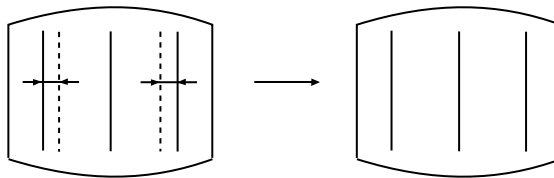


Adjust the HAMP using HAMPL and HAMPR registers in the Dynamic Convergence section of the service menu.

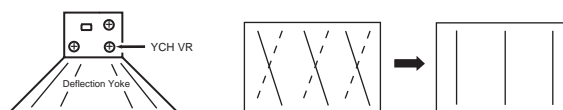
HTIL Adjustment



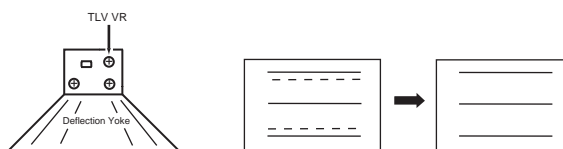
HTIL correction can be performed by adding a THL correction assembly to the Deflection yoke.



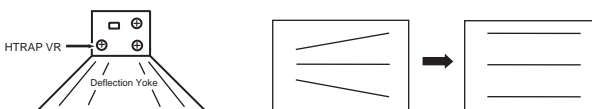
YCH Adjustment



TLV Adjustment

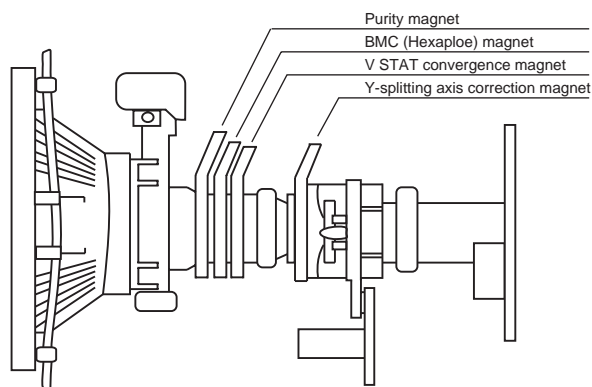


H-TRAP Adjustment

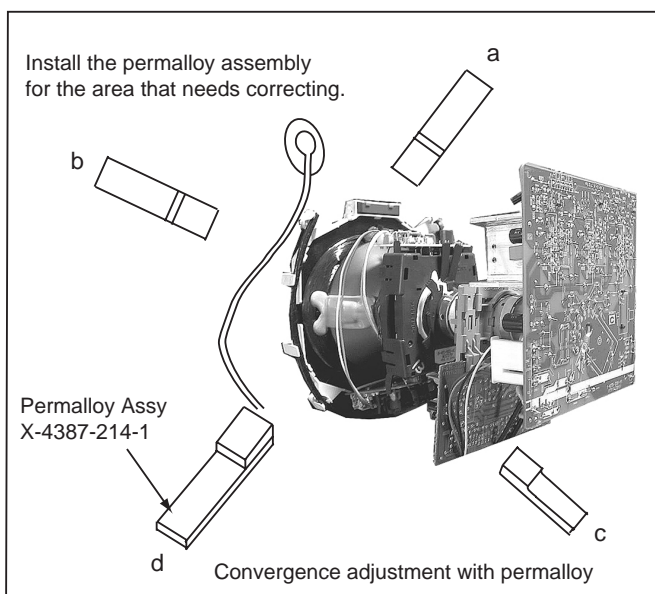
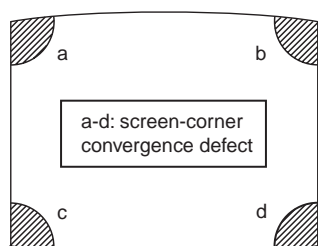


The H-TRAP should not be adjusted unless absolutely necessary as it affects the TLV settings.

Layout of each control

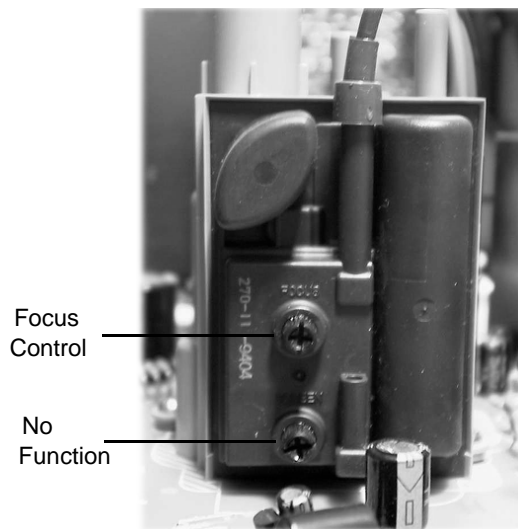


Note : If you are unable to adjust the corner convergence properly, this can be corrected with the use of permalloy magnets.



3-3. Focus Adjustment

1. Receive a television broadcast signal.
2. Normalize the picture setting.
3. Adjust the focus control located on the flyback transformer to obtain the best focus at the centre of the screen.
Bring only the centre area of the screen into focus, the magenta-tinging appears on the screen. In this case, adjust the focus to optimize the screen uniformly.



3-4. Screen (G2), White Balance

[Adjustment in the service mode using the remote commander]

G2 adjustment [RV5376]

1. Input a dot signal from the pattern generator.
2. Set the Picture, Brightness and Colour to minimum.
3. Apply 170V DC from an external power supply to the R, G and B cathodes of the CRT.
4. Whilst watching the picture, adjust the G2 control RV5376 [SCREEN] located on the C Board to the point just before the flyback return lines disappear.

White balance adjustment for TV mode

1. Input an all-white signal from the pattern generator.
2. Enter into the 'Service Mode' by pressing 'TEST', 'TEST' and 'MENU' 'MENU' on the Service Commander.
3. Select 'Backend' from the on screen menu display and press 'OK'.
4. The 'Backend' menu will appear on the screen.[See Page 26]
5. Set the 'Contrast' to MAX.
6. Set the 'R-Drive' to 41.
7. Adjust the 'G-Drive' and the 'B-Drive' so that the white balance becomes optimum.
8. Press the 'OK' button to write the data for each item.
9. Set the 'Contrast' to MIN.
10. Set the 'R-Cutoff' to 31.
11. Adjust the 'G-Cutoff', and the 'B-Cutoff' with the left and right buttons on the remote commander so that the white balance becomes optimum.
12. Press the 'OK' button to write the data for each item.

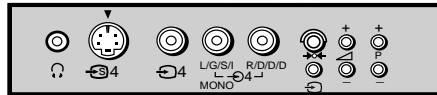
SECTION 4 CIRCUIT ADJUSTMENTS

4-1. Electrical Adjustments

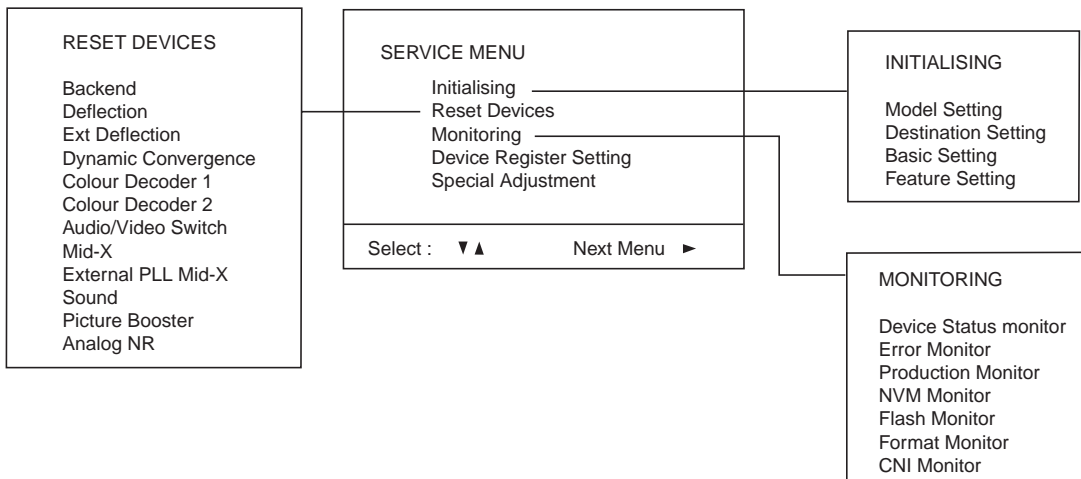
Service adjustments to this model can be performed using the supplied Remote Commander RM-893.

How to enter into the Service Mode

1. Turn on the main power switch of the set while pressing P + (plus) and P - (minus) buttons on the front drop down control panel.



2. 'TT' will appear in the upper right corner of the screen.
3. Press the 'MENU' button twice on the remote commander to obtain the service menu on the screen.



4. Push the joystick up or down on the remote commander to select the adjustment item.
5. Push the right button to proceed to the next menu.
6. If the required adjustment item is 'Deflection', push the down button to move to 'Deflection'.
7. Push the joystick to the right to enter into 'Deflection'.
8. Change the data in order to comply with each standard.

Note :

- Before performing any adjustments ensure that the correct model has been selected in the 'Model Setting' menu.
- After carrying out the service adjustments, to prevent the customer accessing the 'Service Menu' switch the TV set OFF and then ON.

Initialising Menu

Initialising
Model Setting
Destination Setting
Basic Setting
Feature Setting
Select : Next menu:

Model Setting

The menu contains a list with all the available models of this software to set up the TV set in an easy way. The selection of a model is setting data for its features and hardware resources which cannot be detected by the automatic power on H/W detection as well as a special *model byte* to get an unique model identification for models which cannot be differed by features and hardware resources (e.g. KV-28FC60 and KV-28FC60Z)

Before data is set, the user will be asked if he really wants to set a new model. If the user agrees, automatically the destination setting menu is shown.

Model Setting		
1	KV-28FC60	Reset
2	KV-28FC60Z	
3	KV-29FC60	
4	KV-32FC60	
5	KV-32FC60Z	
6	KV-34FC60	
7	KV-28FQ75	
8	KV-29FQ75	
9	KV-32FQ75	
10	KV-34FQ75	
11	KV-28FS70	
12	KV-32FS70	
13	KV-36FS70	
14	KV-28FX65	
15	KV-29FX65	
16	KV-32FX65	
17	KV-29FQ65	
BLACK	= No Conformity	
GREEN	= Compatible Model	
RED	= Conformity for all data	

Table.4-1

Indication of Model Compatibility.

Black:

If any data does not match to specific model, the model name is displayed in black.

Green:

All data which is checked by model setting menu concurs to model except model byte.

Red:

All data which is checked by model setting menu concurs to model including model byte.

Note:

After selecting a model, it may be necessary to reset some devices to get the correct data. (Treble/Bass Offset of Sound, deflection adjustments, ...)

Basic Setting

Basic setting				
No	Descr	Min	Max	Data
1	Sys.B/G	OFF	ON	ON
2	Sys.D/K	OFF	ON	ON
3	Sys.L	OFF	ON	OFF
4	Sys.I (UK)	OFF	ON	OFF
5	Sys.I (IRL)	OFF	ON	ON
6	TXTNat.option	1	4	3
7	16:9 CRT	OFF	ON	OFF
8	Sub-woofer	OFF	ON	ON
9	Auto stand-by	OFF	ON	ON
10	Comb-filter	OFF	ON	ON
11	Auto YC det	OFF	ON	ON
12	Auto comb det	OFF	ON	ON
13	AV2 Available	OFF	ON	ON
14	AV3 Available	OFF	ON	ON
15	AV4 Available	OFF	ON	ON
16	AV3 Fr & rear	OFF	ON	OFF
17	SECAM Tape	OFF	ON	OFF
18	AV1 Sound Mute	OFF	ON	OFF

Table.4-2

Feature Setting

Feature setting				
No	Descr	Min	Max	Data
1	PAP	OFF	ON	ON
2	PAT	OFF	ON	ON
3	INDEX	OFF	ON	ON
4	EPG	OFF	ON	ON
5	FULL EPG	OFF	ON	ON
6	PictBoostBypass	OFF	ON	OFF

Table.4-3

Device Register Setting

Backend
Deflection
Ext Deflection
Dynamic Convergence
Colour Decoder 1
Colour Decoder 2
Audio / Video Switch
Mid-X
External PLL Mid-X
Sound
Picture Booster
Analog NR

Table.4-4

Sound					
No	Descr	Def	Min	Max	Data
1	Ref.Level	40	0	20	40
2	Auto-gain	ON	OFF	ON	ON
3	Ana-in	0	0	1	0
4	Carr-mute	ON	OFF	ON	ON
5	Clock out	ON	OFF	ON	ON
6	AM-gain	ON	OFF	ON	ON
7	Clip mode	0	0	2	0
8	SCART1 Vol	79	0	127	79
9	SCART2 Vol	79	0	127	79
10	SCART Pr	27	0	127	27
11	I2S1-pr	16	0	127	16
12	I2S2-pr	16	0	127	16
13	FM pr	27	0	127	27
14	BG Nic-pr	53	0	127	53
15	L Nic-pr	59	0	127	59
16	DK Nic-pr	53	0	127	53
17	I Nic-pr	97	0	127	97
18	Irl Nic-pr	97	0	127	97
19	AVC-Decay	2	0	8	2
20	SubW-vol	0	-127	0	-4
21	SubW-freq	20	5	40	20
22	SubW-HPass	OFF	OFF	ON	OFF
23	Spat-stre	+127	0	-1	127
24	Spat-Coeff	0	0	8	0
25	Bass offs	0	-3	+3	0
26	Treble offs	-2	-3	+3	-1
27	Loudn offs	0	0	9	0
28	Hp-Voloffs	-2	-5	+5	-2
29	M-S Limit	+30	-128	+127	30
30	M-B Limit	-30	-128	+127	-30
31	S-M Limit	+12	-128	+127	12
32	S-B Limit	-20	-128	+127	-20
33	B-M Limit	-12	-128	+127	-12
34	B-S Limit	+20	-128	+127	20
35	Err.Max	40	0	255	40
36	Err.Min	18	0	255	18
37	Vol.Offs	0	-6	0	-4

Table.4-5

Backend					
No	Descr	Def	Min	Max	Data
1	R-on	ON	OFF	ON	ON
2	G-on	ON	OFF	ON	ON
3	B-on	ON	OFF	ON	ON
4	D-col	OFF	OFF	ON	OFF
5	Color-axis	2	0	3	2
6	Contrast	40	0	63	40
7	Limit-Luv	3	0	3	3
8	Hue	31	0	63	31
9	Colour	31	0	63	28
10	CTI-Level	2	0	3	2
11	Brightness	31	0	63	31
12	Gamma	2	0	3	2
13	Sharpness	30	0	63	28
14	R-Drive	41	0	63	41
15	G-Drive	41	0	63	37
16	B-Drive	41	0	63	26
17	ABL-Mode	0	0	3	2
18	Sub Bright	31	0	63	13
19	VM-Level	2	0	3	1
20	R-Cutoff	31	0	63	31
21	Preover	2	0	3	2
22	G-Cutoff	31	0	63	41
23	DPIC-Level	1	0	3	2
24	B-Cutoff	31	0	63	47
25	DC-Tran	0	0	3	1
26	Sub-Cont	7	0	15	7
27	LRGB2-Lvl	8	0	15	8
28	P-Abl	15	0	15	15
29	Sharp.Fo	ON	OFF	ON	ON
30	Aging-W	OFF	OFF	ON	OFF
31	Aging-B	OFF	OFF	ON	OFF
32	CB-offset1	11	0	15	11
33	CR-offset1	11	0	15	11
34	CB-offset2	7	0	15	7
35	CR-offset2	7	0	15	7
36	Sub Color	0	-8	8	0

Table.4-6

Colour Decoder 1					
No	Descr	Def	Min	Max	Data
1	Tint	31	0	63	31
2	P/N Gw	OFF	OFF	ON	OFF
3	P/N ID	OFF	OFF	ON	OFF
4	Sub Colour	7	0	15	7
5	Sub Contr	8	0	15	8
6	Sharp FO	1	0	3	1
7	Sharp EQ	2	0	3	2
8	Sharp Gain	8	0	15	8
9	Y-Out Lev	35	0	63	35
10	BS Point	0	0	3	0
11	C-Out Lev	45	0	63	45
12	DC Rest	0	0	3	0
13	BPF FO	2	0	3	2
14	BPF Q	1	0	3	1
15	Filter Sw	OFF	OFF	ON	OFF

Table.4-7

Colour Decoder 1 (cont)					
No	Descr	Def	Min	Max	Data
16	C-Trap Sw	0	0	1	0
17	S-D Trap	ON	OFF	ON	ON
18	LPF	ON	OFF	ON	ON
19	Y-DL	8	0	10	8
20	N-Comb	ON	OFF	ON	ON
21	Video Sel	0	0	15	0
22	RGB Sel	0	0	3	0
23	Halftone	OFF	OFF	ON	OFF
24	CrOFF.1	7	0	15	7
25	CbOFF.1	7	0	15	7
26	CrOFF.2	7	0	15	7
27	CbOFF.2	7	0	15	7
28	VCD Freq	3	0	7	3
29	VCD Mode	0	0	3	0
30	AFC SENS	1	0	3	1
31	MVM	OFF	OFF	ON	OFF
32	S-R-Y Adj	6	0	15	4
33	S-B-Y Adj	4	0	15	6
34	BELL/HPF	2	0	3	2
35	BELL FO	OFF	OFF	ON	OFF
36	S-GP	0	0	3	0
37	S ID	OFF	OFF	ON	OFF
38	RGB1 ENB	OFF	OFF	ON	OFF
39	HS-PH	1	0	1	0
40	Auto SW	1	0	1	1
41	VP_PH	0	0	1	0
42	S/N RATIO	3	0	3	3

Table.4-8

Dynamic Convergence					
No	Descr	Def	Min	Max	Data
1	Range	63	0	63	63
2	V Stat	36	0	63	17
3	H Stat	33	0	63	31
4	H amp L	37	0	63	33
5	H amp R	36	0	63	33
6	Up Y	31	0	63	31
7	Low Y	33	0	63	31
8	Y up L	30	0	63	45
9	Y up R	30	0	63	31
10	Y low L	31	0	63	31
11	Y low R	30	0	63	45
12	Mbow Up L	31	0	63	31
13	Mbow Up R	32	0	63	31
14	Mbow Low L	32	0	63	31
15	Mbow Low R	32	0	63	31
16	T Cor PCtrl	OFF	OFF	ON	OFF
17	Top Cor Pin	31	0	63	31
18	B Cor PCtrl	OFF	OFF	ON	OFF
19	Bot Cor Pin	43	0	63	31

Table.4-9

Audio / Video Switch					
No	Descr	Def	Min	Max	Data
1	CVOUT1	0	0	9	0
2	CVOUT2	2	0	9	2
3	GD1 SW	OFF	OFF	ON	ON
4	GD2 SW	OFF	OFF	ON	ON
5	YCOUT 1	0	0	7	0
6	YCOUT 2	1	0	7	1
7	LO0CTRL	OFF	OFF	ON	OFF
8	LO1CTRL	OFF	OFF	ON	OFF
9	AOUT 1	3	0	7	3
10	AOUT 2	3	0	7	3
11	AOUT 3MUTE	OFF	OFF	ON	OFF
12	ZCD SW	ON	OFF	ON	ON
13	AOUT 3	3	0	7	3
14	GROUP DEL	15	0	31	15
15	AOUT3 L/R	0	0	3	0
16	AOUT3VOLFF	0	0	7	0
17	AOUT3VOLC	3	0	7	3
18	SYNC1	1	0	1	1
19	SYNC2	1	0	1	1

Table.4-10

Special Adjustment				
No	Descr	Min	Max	Data
1	RGB level	0	7	0
2	RGB Gain	0	31	8
3	RGB PatLevel	0	7	0
4	RGB Patgain	0	31	15
5	RGB H-Position	-10	+10	0
6	Extra Fw	0	255	255
7	EPG Chks Check	OFF	ON	ON
8	Slicer High	OFF	ON	ON
9	FCW Wide	OFF	ON	ON
10	Mpeg NR	OFF	ON	OFF
11	Notch Filter	OFF	ON	OFF
12	NLD Step	-7	0	-1
13	PKD Step	-15	0	-5
14	CRD Step	0	15	7
15	SHP Step	-10	0	-3
16	COL Step	-10	0	-1
17	SHP gain Step	-5	0	0
18	VM level Step	-3	0	0
19	NTSC Auto YC AV2	OFF	ON	OFF
20	NTSC Auto YC AV3	OFF	ON	OFF
21	Intern GD	OFF	ON	ON

Table.4-11

Ext. Deflection					
No	Descr	Def	Min	Max	Data
1	Linearity	127	0	255	127
2	H Centre	31	0	63	31
3	H Trap	31	0	63	31
4	Rotation	0	0	255	0
5	FocusPhase	127	0	255	127

Table.4-12

Deflection					
No	Descr	Def	Min	Max	Data
1	V-Size	31	0	63	31
2	V-Position	31	0	63	30
3	V-Comp	1	0	3	1
4	V-Linear	7	0	15	7
5	S-Corr	7	0	15	7
6	H-Size	31	0	63	32
7	EW-DC	OFF	OFF	ON	OFF
8	Akb Tim2	OFF	OFF	ON	OFF
9	Pin-Amp	31	0	63	29
10	H-Comp	0	0	3	0
11	Up-Cpin	31	0	63	32
12	M-Pin	2	0	3	2
13	Lo-CPin	31	0	63	34
14	Trapezium	7	0	15	6
15	H-Position	31	0	63	31
16	VblKw	0	0	3	0
17	AFC-Bow	7	0	15	7
18	AFC-Angle	7	0	15	8
19	Left-Blk	38	0	63	38
20	Right-Blk	12	0	63	12
21	V-Freerun	0	0	3	0
22	V-Aspect	47	0	63	47
23	Zoom-Sw	OFF	OFF	ON	OFF
24	U-Scan	OFF	OFF	ON	OFF
25	V-Scroll	34	0	63	34
26	Akb-Tim	2	0	3	2
27	Up-Vlin	0	0	15	0
28	Lo-Vlin	0	0	15	0

Table.4-13

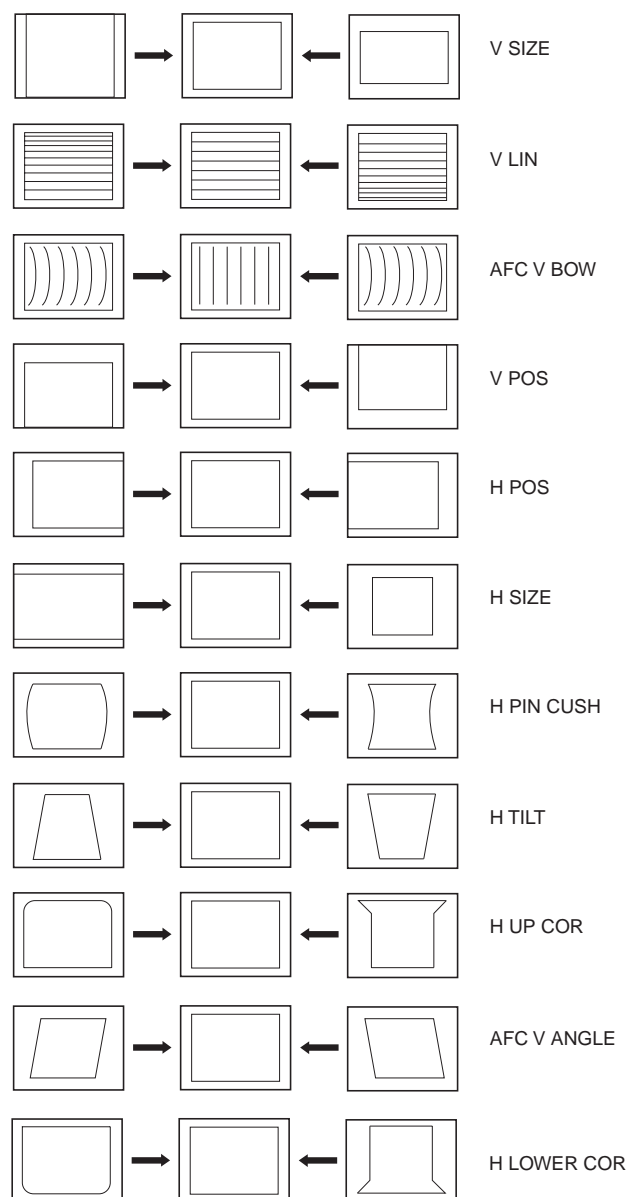
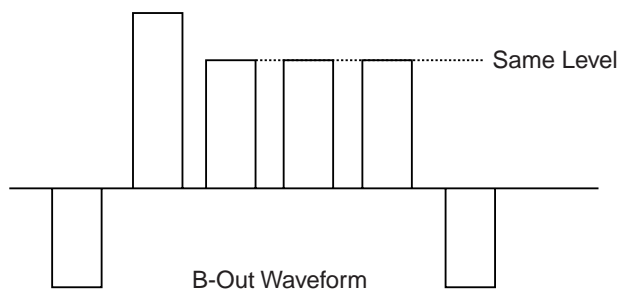
Deflection System Adjustment

1. Enter into the service mode and select 'Deflection' from the menu. The 'Deflection' adjustment menu will be displayed.
2. Select and adjust each item to obtain the optimum image.

4-2. Volume Electrical Adjustments

Sub Colour Adjustment

1. Input a PAL colour bar signal.
2. Connect an oscilloscope to CN5400 pin 5 located on the C Board.
3. Enter into the 'Service Mode'.
4. Choose 'Backend' from the menu.
5. Adjust 'Sub Colour' data so that the right sides of the waveform are of equal height.



4-3. TEST MODE 2:

Is available by pressing the 'TEST' button twice, OSD 'TT' appears. The functions described below are available by selecting the two numbers. To release the 'Test mode 2', press 0 twice, press the TV button or switch the TV set into Stand-by mode. Pressing the two Local Control buttons (+ and -) during power ON will also switch into 'TT' mode or from standby mode press OSD, 5, volume plus, TV.

In 'TT' mode, it is possible to remove the Menu from the screen by pressing the Speaker Off button once. Pressing the Speaker OFF button a second time will cause the Menu to reappear. The function is kept even when the menu is not displayed on screen !!.

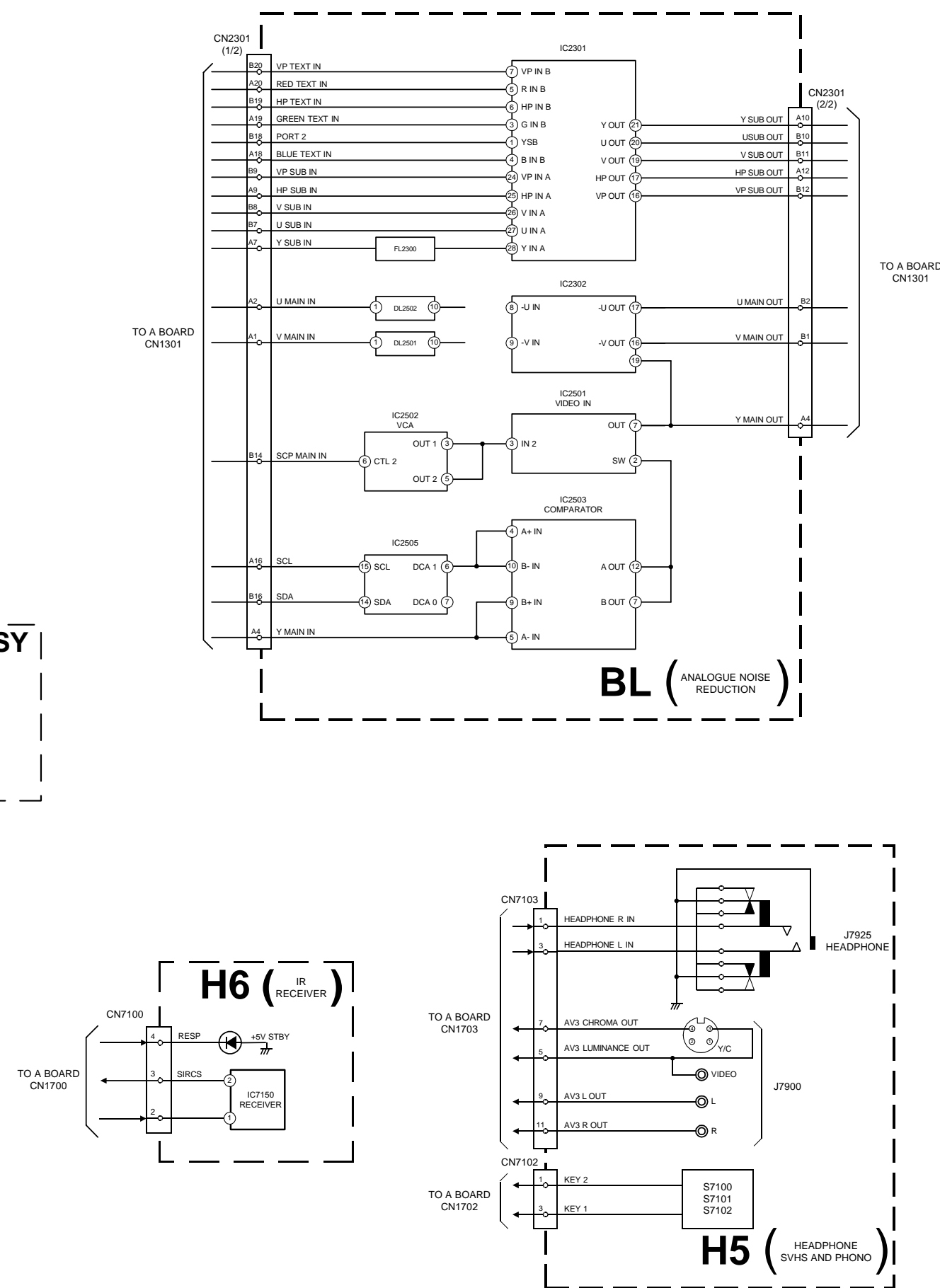
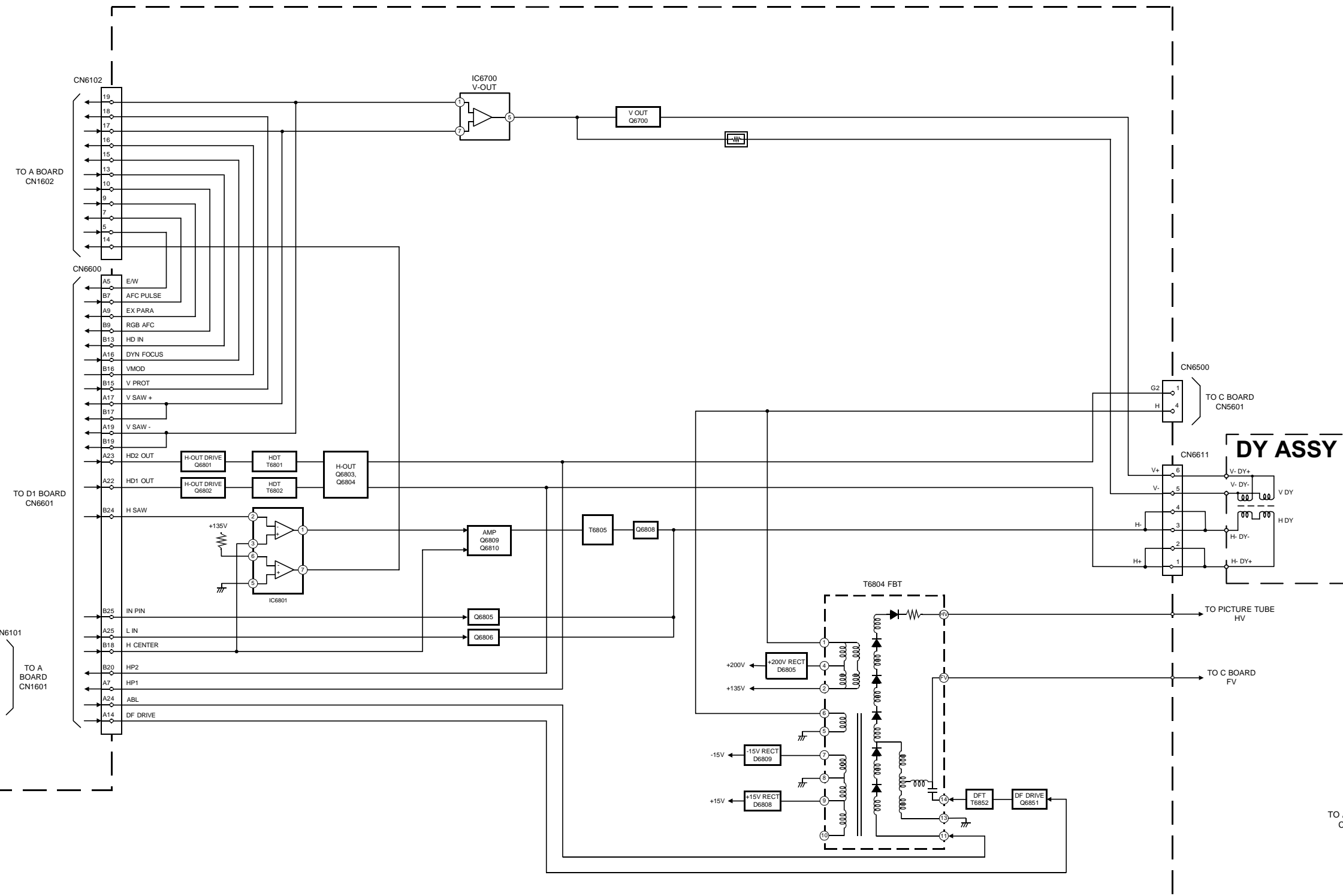
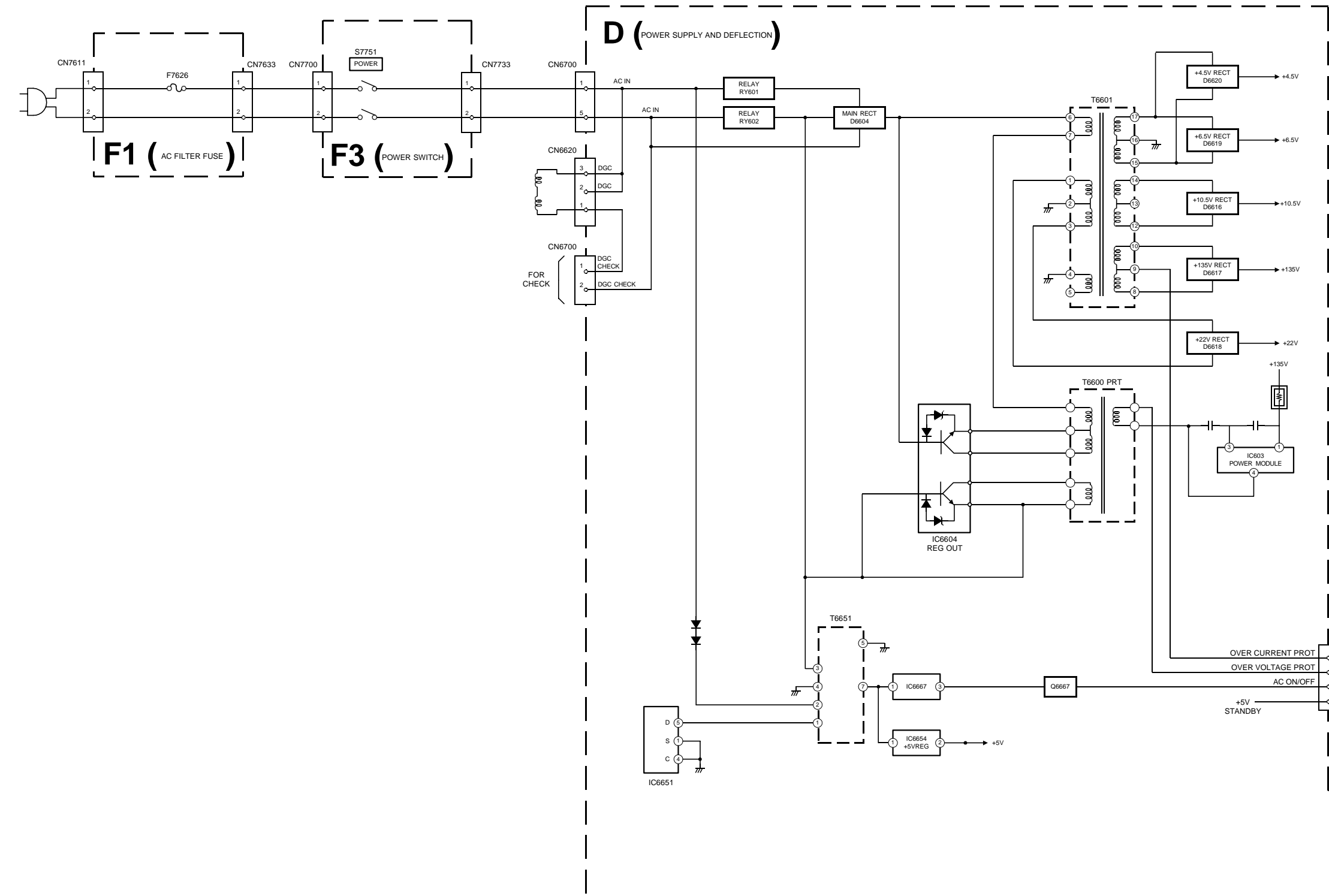
00	'TT' mode off
01	Picture maximum
02	Picture minimum
03	Set speaker/headphone Volume to 30%
04	Set speaker/headphone Volume to 50%
05	Set speaker/headphone Volume to 65%
06	Set speaker/headphone Volume to 80%
07	Ageing mode
08	Shipping Condition
10	No function
11	Sub picture adjustment
12	Sub colour adjustment
13	Display software version and TV set configuration
14	No function
15	Picture Rotation - Auto Function -5 -> 0 -> + 5
16	Picture level 50%
17	Audio mute on
18	No function
19	Sub brightness adjustment
20	No function
21	Destination A includes text settings, display TV status
22	Destination L includes text settings, display TV status
23	Destination E includes text settings, display TV status
24	Destination U includes text settings, display TV status
25	Destination D includes text settings, display TV status
26	Destination B includes text settings, display TV status
27	Destination K includes text settings, display TV status
28	Destination R includes text settings, display TV status
30	No function
31	Geometry Adjustment 1
32	Geometry Adjustment 2
33	Error monitor
34	No function
35	CRT 4:3 <> 16:9 ; Display TV status
36	Line 23 detection switch
37	Velocity Modulation (VM) test
38	No function
39	No function
40	No function
41	Screen mode check
42	Re-initialise geometry
43	No function
44	Screen Mode DRC 100
45	Screen Mode DRC 50
46	Reserved for dealer commander
47	Re-initialise NVM
48	Set NVM as non virgin
49	Set NVM as virgin
50	No function
51	Default Dolby settings, Dolby on, volume 90%
52	Dolby on left speaker only
53	Dolby on right speaker only

54	Dolby on centre speaker only
55	Dolby on surround speaker only
56	No function
57	No function
58	Copy internal NVM to external NVM on service connector
59	Copy external NVM on service connector to internal NVM
60	No function
61	Service mode
62	Production mode
63	Copy the picture reset data from ROM into the picture reset location of NVM
64	Copy the actual adj picture data from NVM to reset location of NVM
65	Reset error codes
66	No function
67	No function
68	Ignore error on
69	Ignore errors off
70	No function
71	Copy default data of PANORAMA/external PLL/MID/MIDX from ROM into NVM
72	No function
73	Clear all programmes except 1-5 and all station labels
74	Adjustment for PIN Amp/Upper Corner Pin for MID, EPG and 12501 mode
75	Adjustment for Lower Corner Pin/ Trapezoid for MID, EPG and 12501 mode
76	Adjustment for M Pin for 12501 mode
77	Picture Booster check
78	No video blanking
79	Reset NVM Addresses 0EFF - 0FFF
80	No function
81	Smart Link test signal on AV2 Pin 10.
82	Geometry Adjustment 3 Horizontal centre adjustment for MID-X input main picture. Adjustment is done with left and right joystick button, released by "TV" or "OK" buttons.
83 - 86	No function
87	Personal ID reset
88	Parental Lock off
89	OSD mute on/off
90	No function
91	Focus adjustment (Focus Phase/Ext. Deflection) with left and right joystick button
92	Focus adjustment (DC Level/Ext. Deflection) with left and right joystick button
93	Reserved for software group only
94	INDEX mode test command, released by OK or 00
95	Dolby Low Pass Filter ON in surround channel
96	Dolby Low Pass Filter OFF in surround channel
99	Speaker check, released by OK or 00

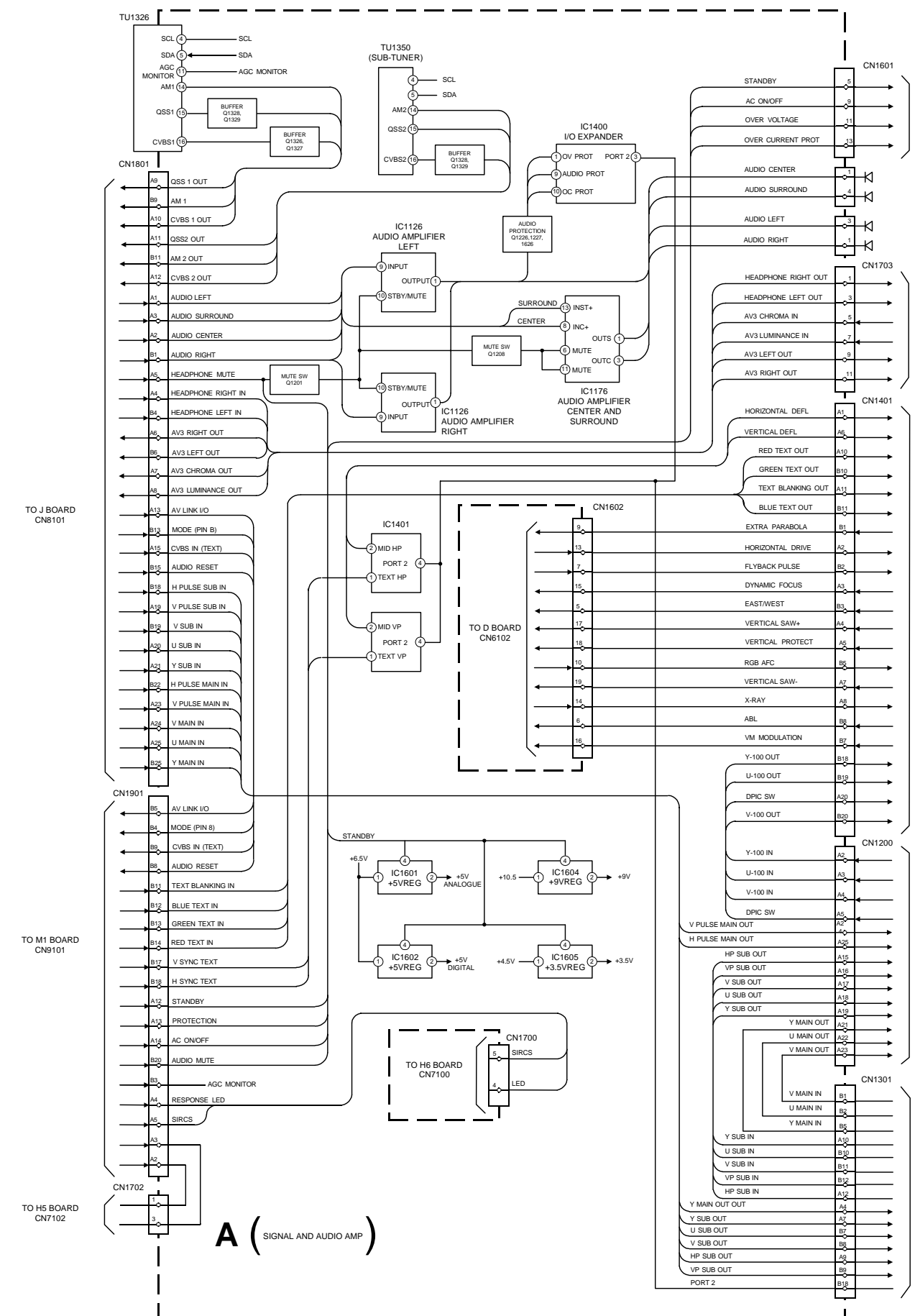
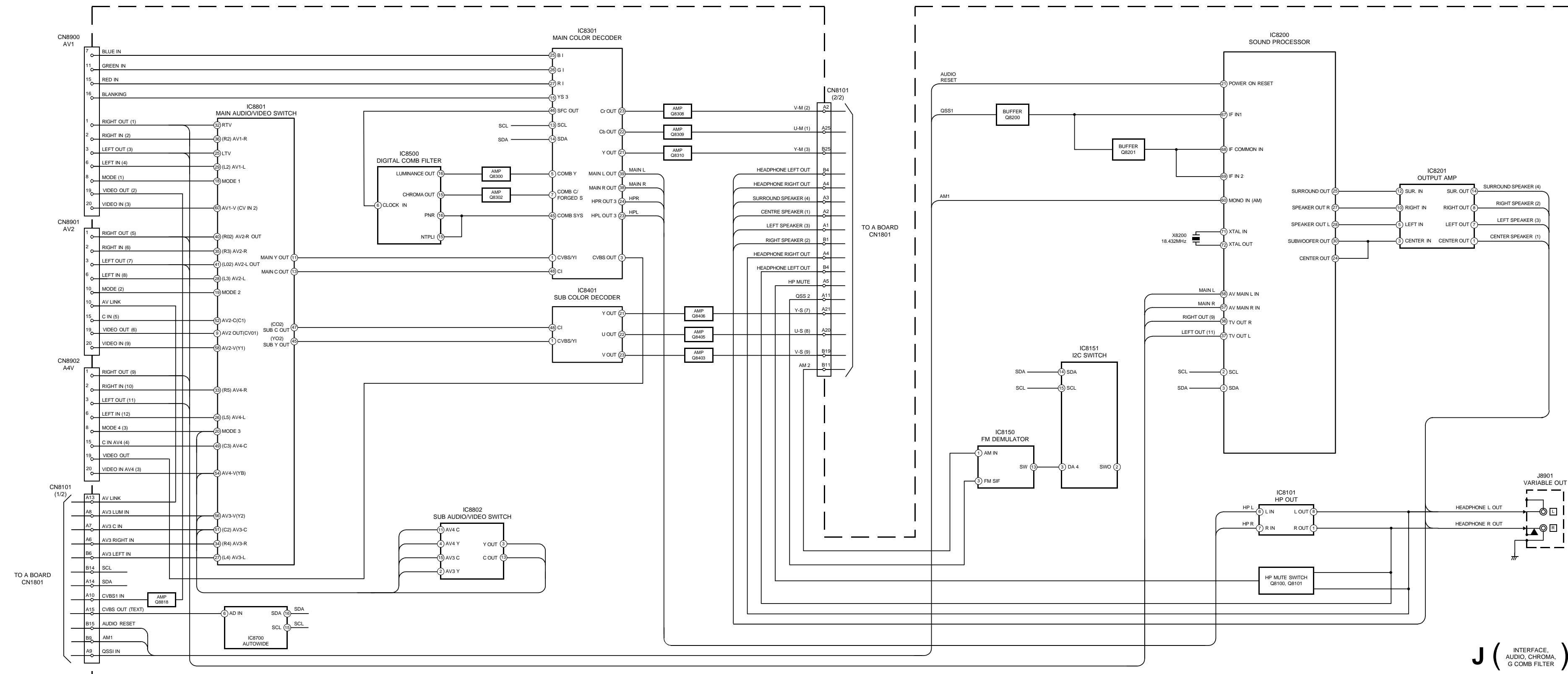
Memo

This image shows a single sheet of white paper with horizontal ruling lines. The lines are evenly spaced and run across the width of the page. There are no margins, text, or other markings on the paper.

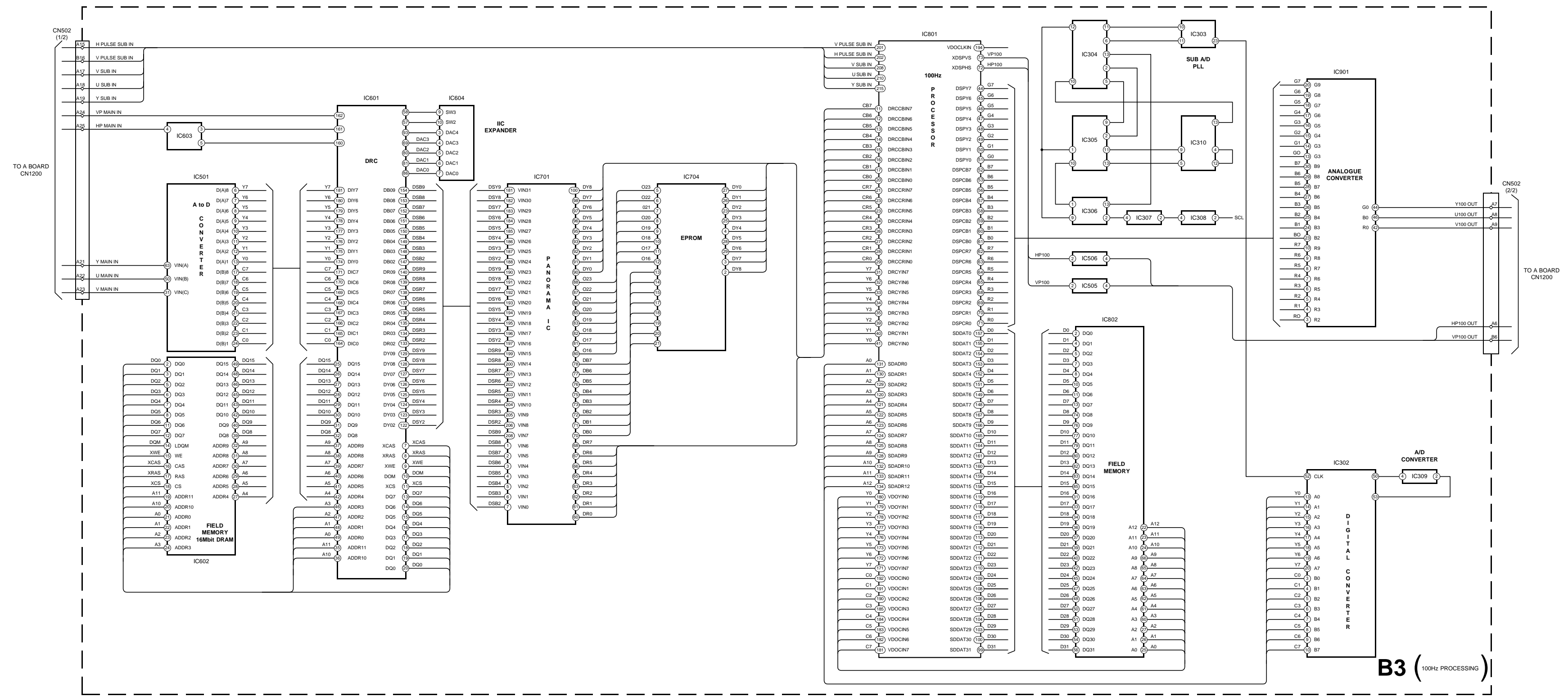
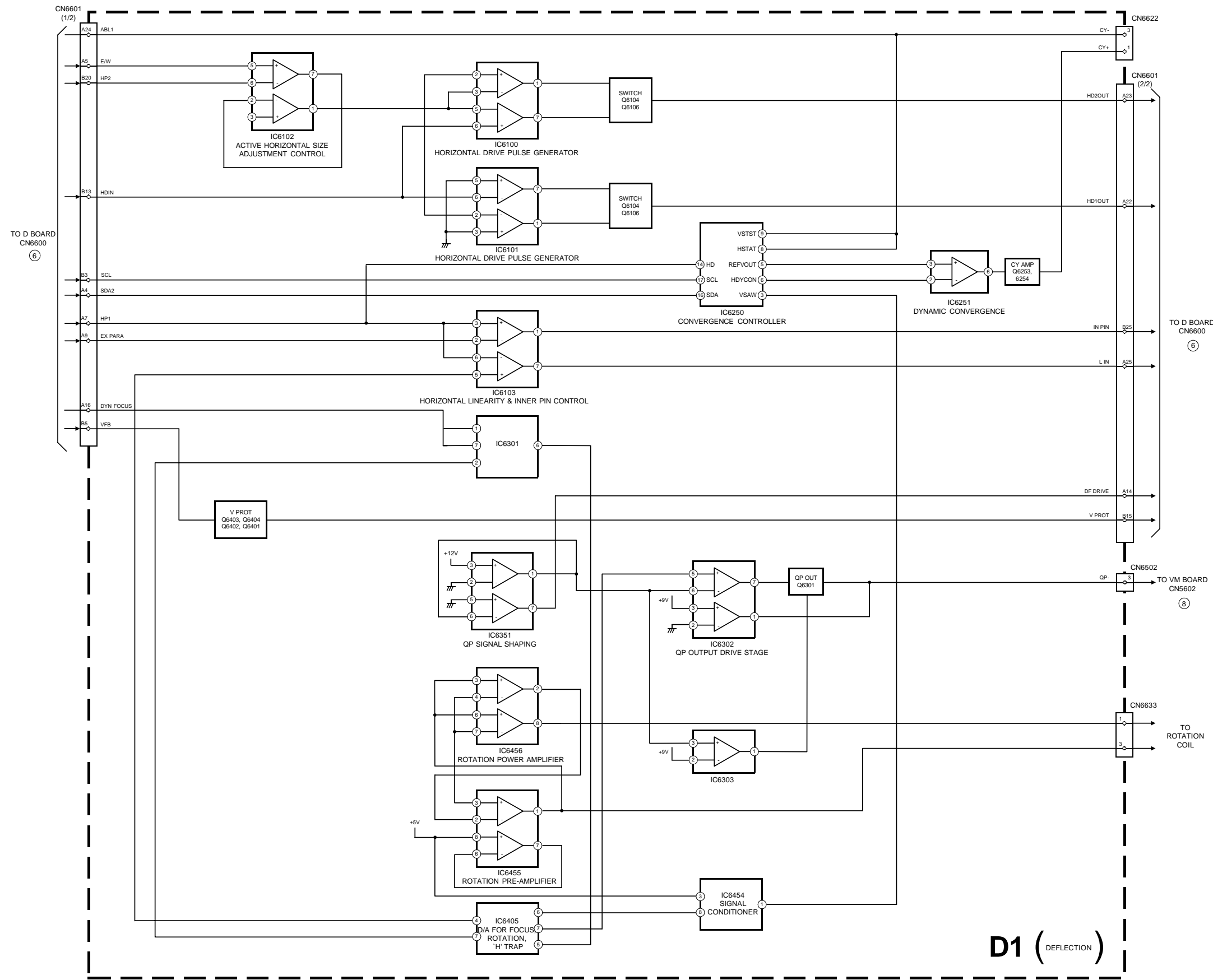
5-1. BLOCK DIAGRAMS (1)



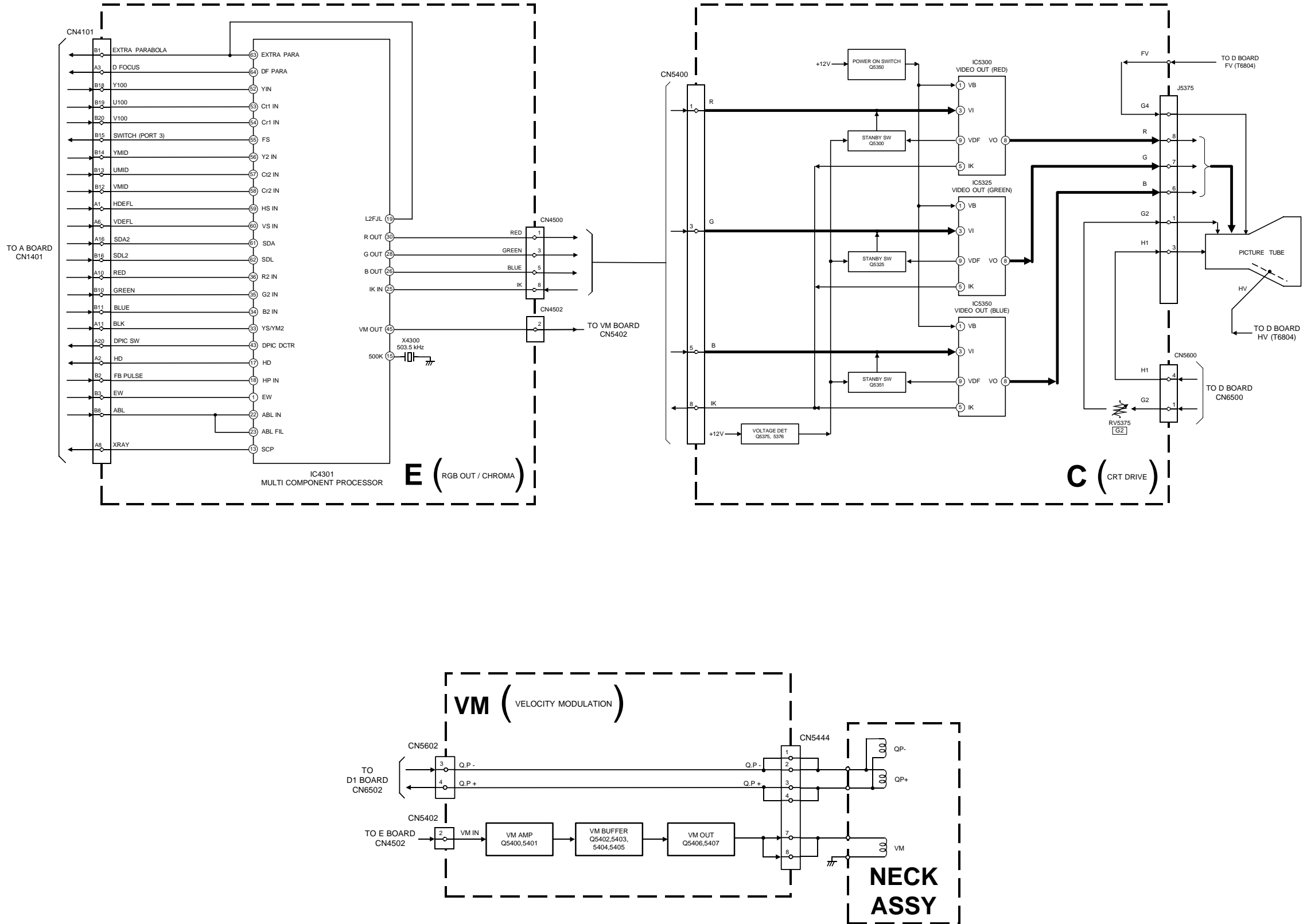
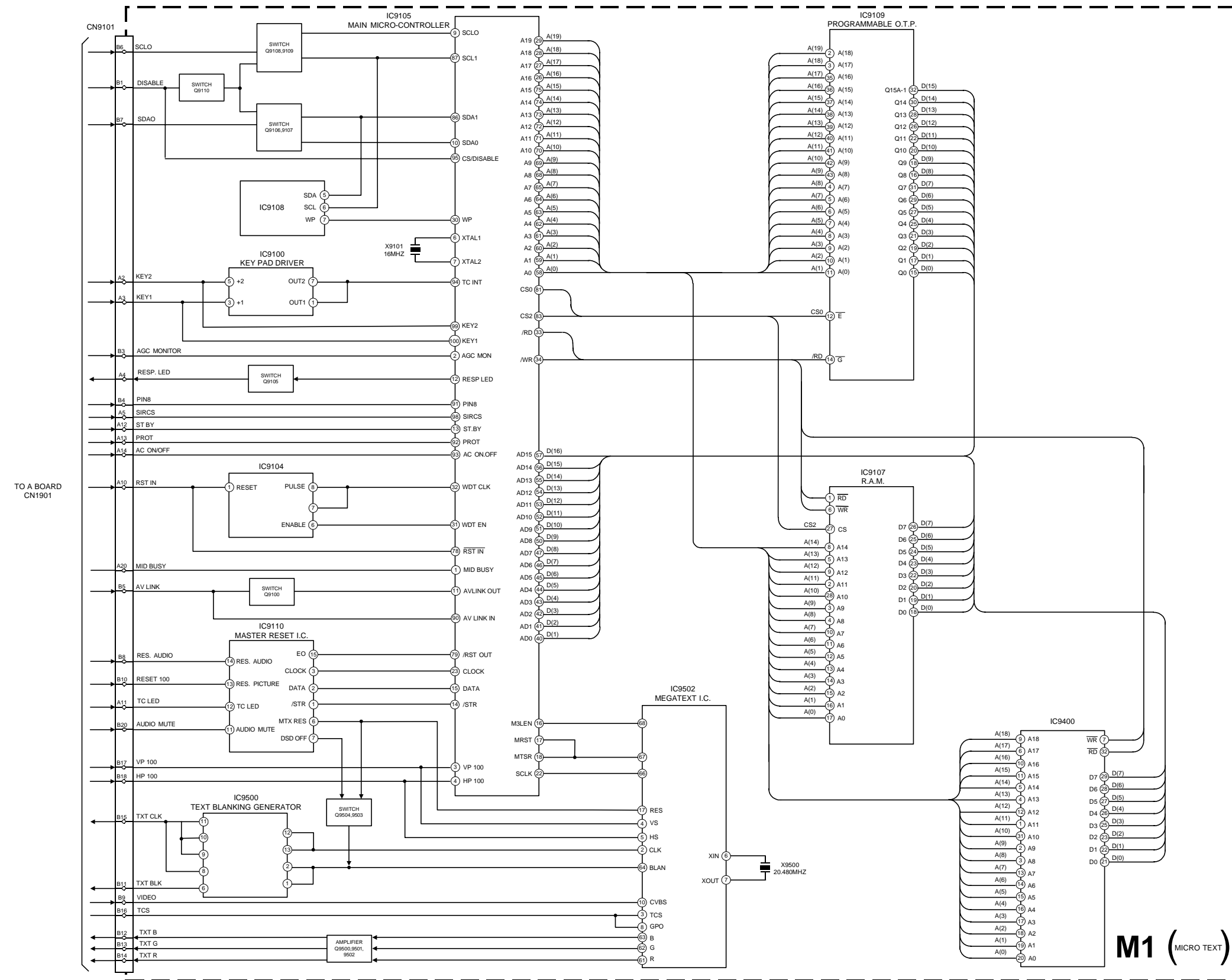
5-1. BLOCK DIAGRAMS (2)



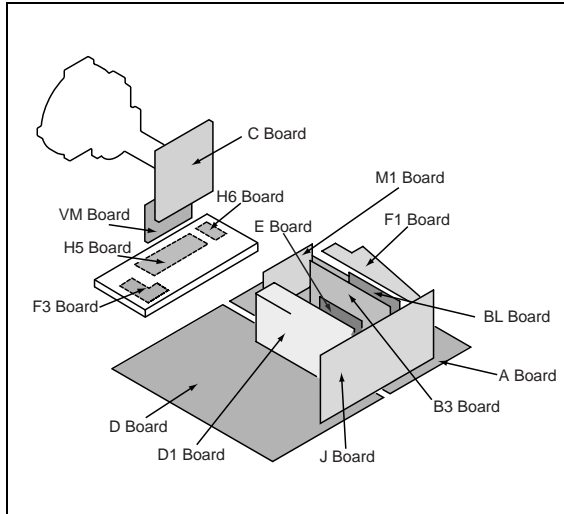
5-1. BLOCK DIAGRAMS (3)



5-1. BLOCK DIAGRAMS (4)



5-2. CIRCUIT BOARD LOCATION







5-3. SCHEMATIC DIAGRAMS AND PRINTED WIRING BOARDS

Note :






- All capacitors are in μF unless otherwise noted.
- $\text{pF} : \mu\text{F}$ 50WV or less are not indicated except for electrolytic types.
- Indication of resistance, which does not have one for rating electrical power, is as follows.

Pitch : 5mm


Electrical power rating : 1/4W


- Chip resistors are 1/10W
- All resistors are in ohms.
k = 1000 ohms, M = 1000,000 ohms
-  : nonflammable resistor.
-  : fusible resistor.
-  : internal component.
-  : panel designation or adjustment for repair.


- All variable and adjustable resistors have characteristic curve B, unless otherwise noted.
- All voltages are in Volts.
- Readings are taken with a 10Mohm digital multimeter.
- Readings are taken with a color bar input signal.
- Voltage variations may be noted due to normal production tolerances.

-  : B + bus.
-  : B - bus.
-  : RF signal path.
-  : earth - ground.
-  : earth - chassis.

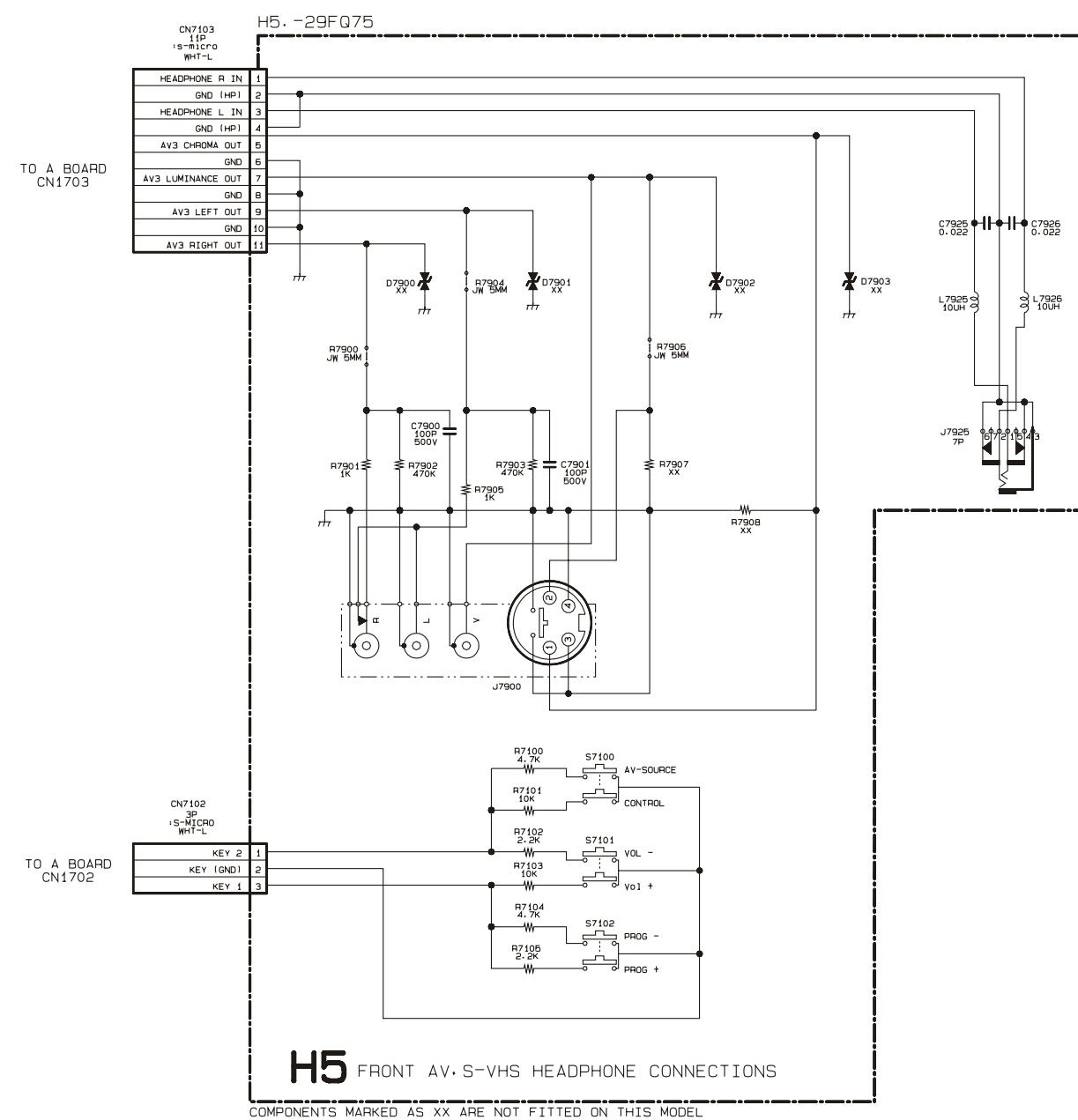
Reference Information

RESISTOR	RN	: METAL FILM
	RC	: SOLID
	FPRD	: NON FLAMMABLE CARBON
	FUSE	: NON FLAMMABLE FUSIBLE
	RS	: NON FLAMMABLE METAL OXIDE
	RB	: NON FLAMMABLE CEMENT
	RW	: NON FLAMMABLE WIREWOUND
		: ADJUSTMENT RESISTOR
COIL	LF-8L	: MICRO INDUCTOR
CAPACITOR	TA	: TANTALUM
	PS	: STYROL
	PP	: POLYPROPYLENE
	PT	: MYLAR
	MPS	: METALIZED POLYESTER
	MPP	: METALIZED POLYPROPYLENE
	ALB	: BIPOLAR
	ALT	: HIGH TEMPERATURE
	ALR	: HIGH RIPPLE

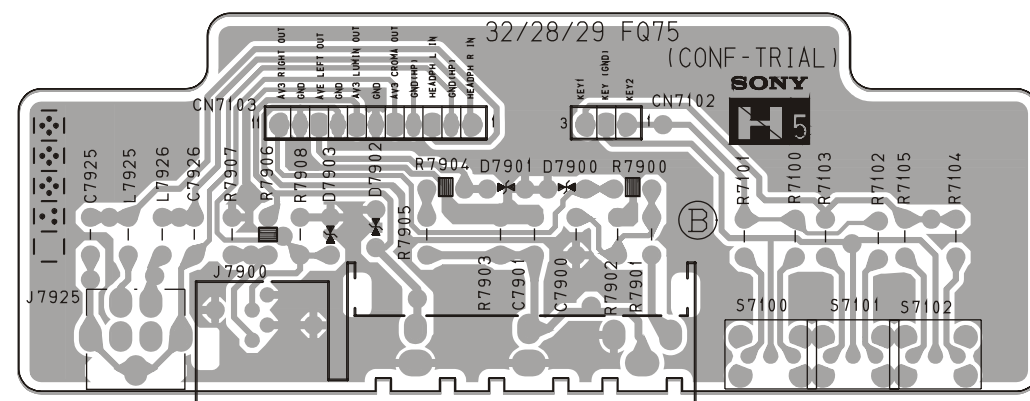
Note : The components identified by shading and marked  are critical for safety. Replace only with the part numbers specified in the parts list.

Note : Les composants identifiés par une trame et par une marque  sont d'une importance critique pour la sécurité. Ne les remplacer que par des pièces de numéro spécifié. specified.

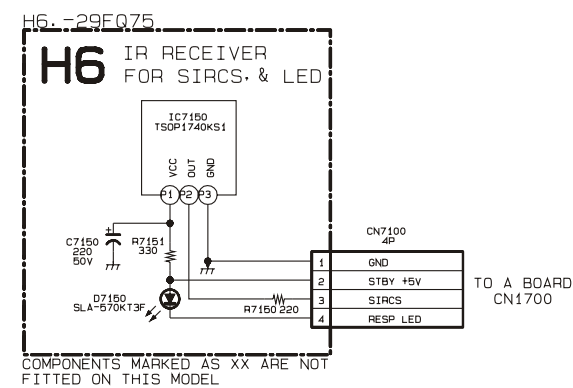
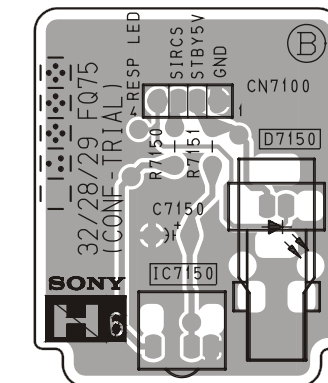
H5[FRONT AV, S-VIDEO]



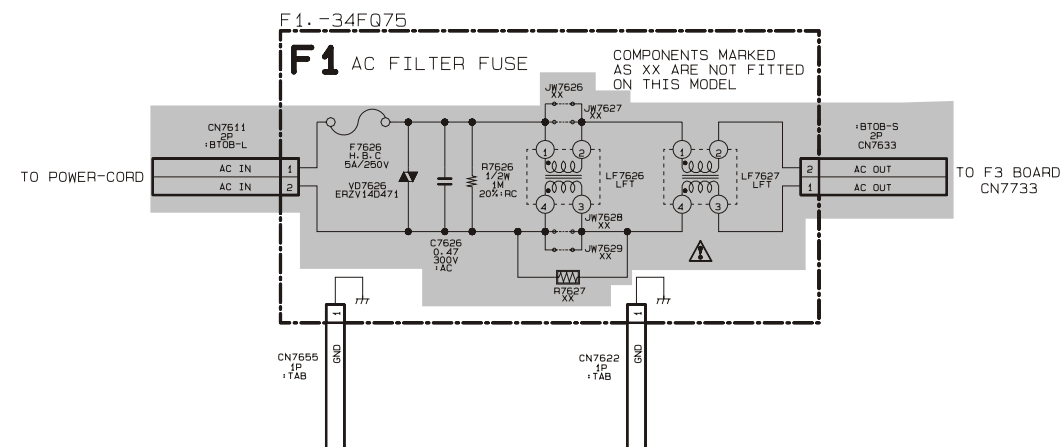
H5[PRINTED WIRING BOARD]



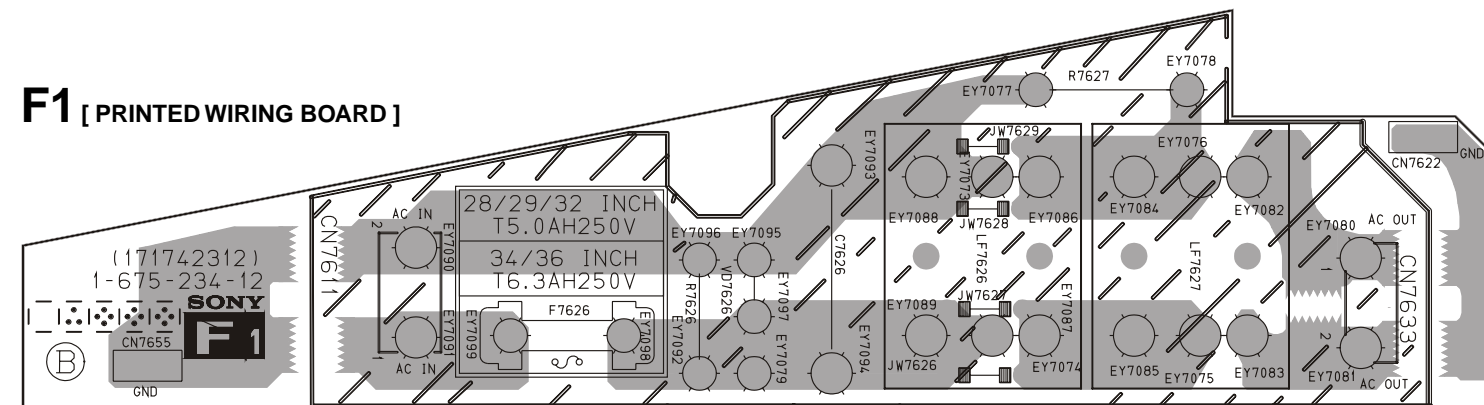
H6[IR RECEIVER FOR SIRCS AND LED]


H6 [PRINTED WIRING BOARD]

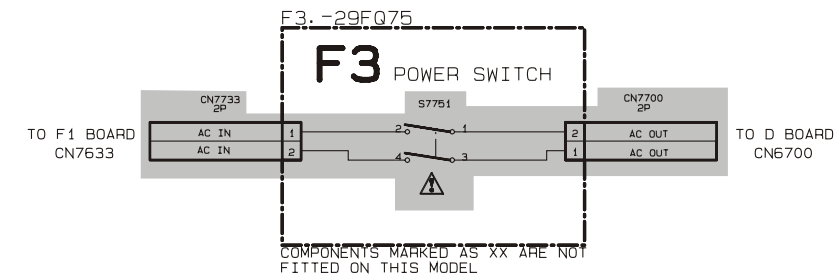
F1 [AC FILTER FUSE]



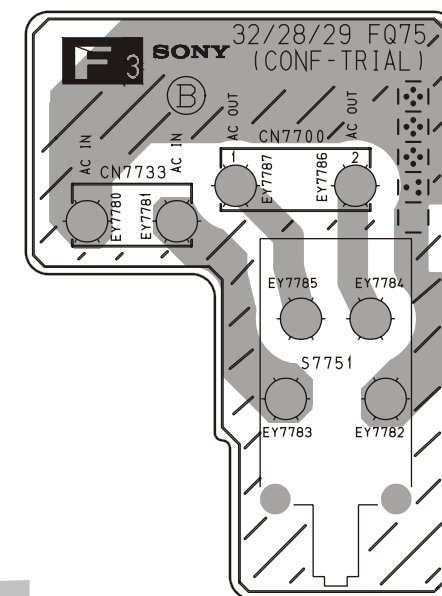
F1 [PRINTED WIRING BOARD]



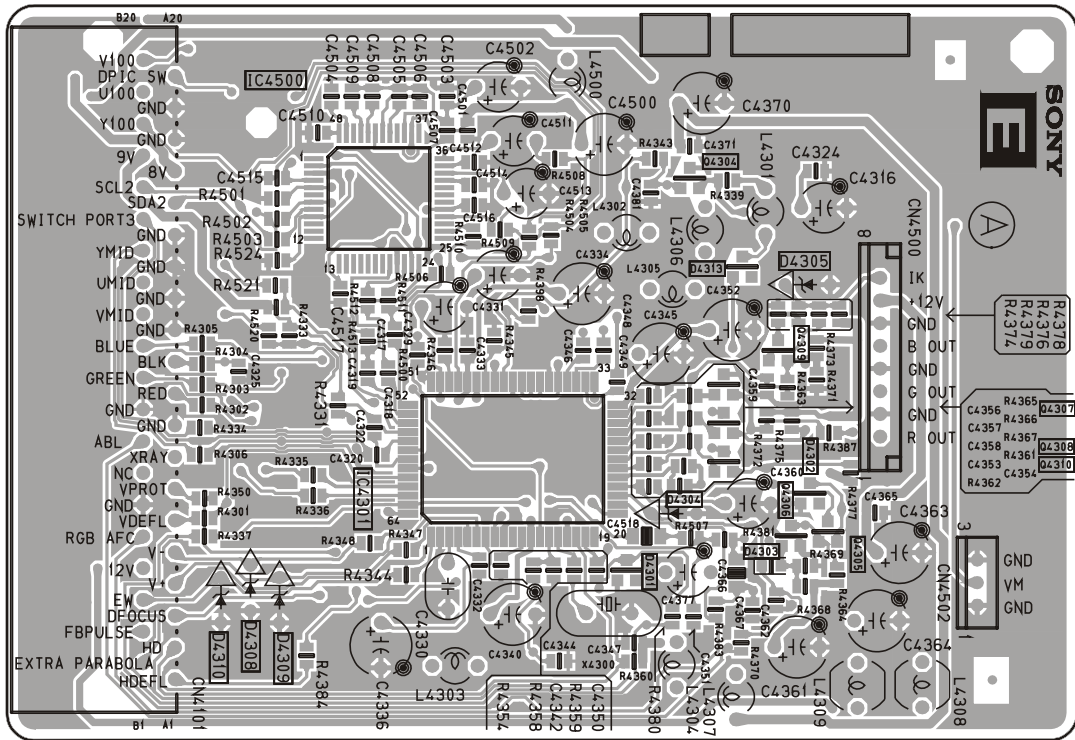
F3 [POWER SWITCH]



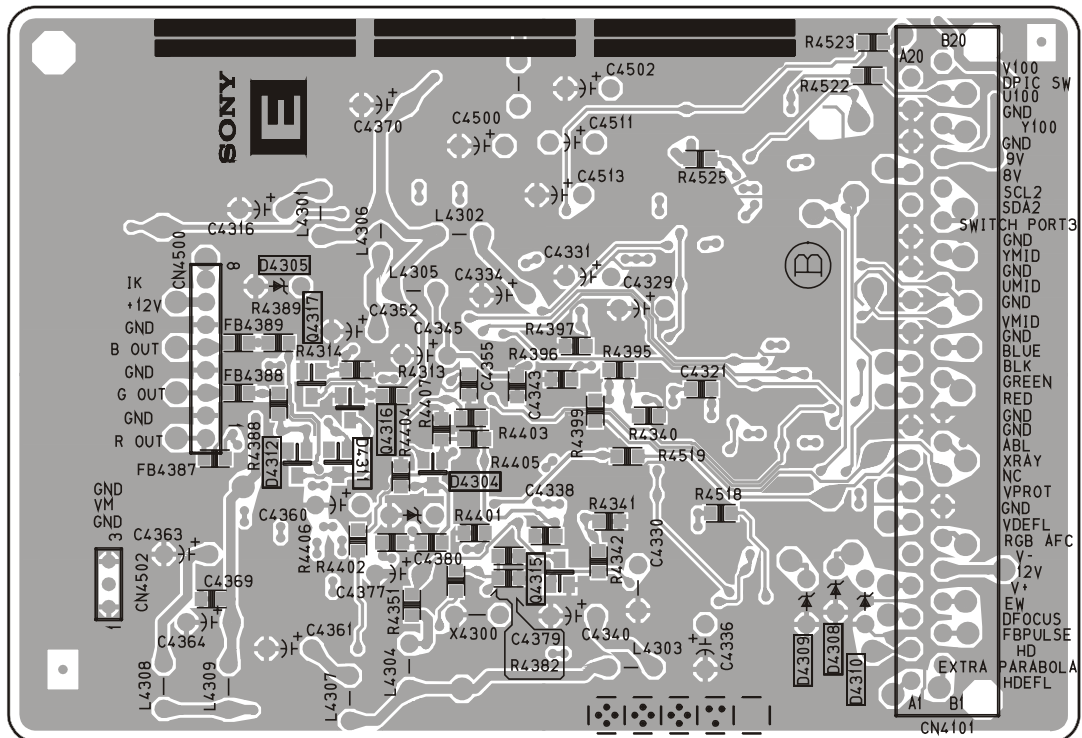
F3 [PRINTED WIRING BOARD]



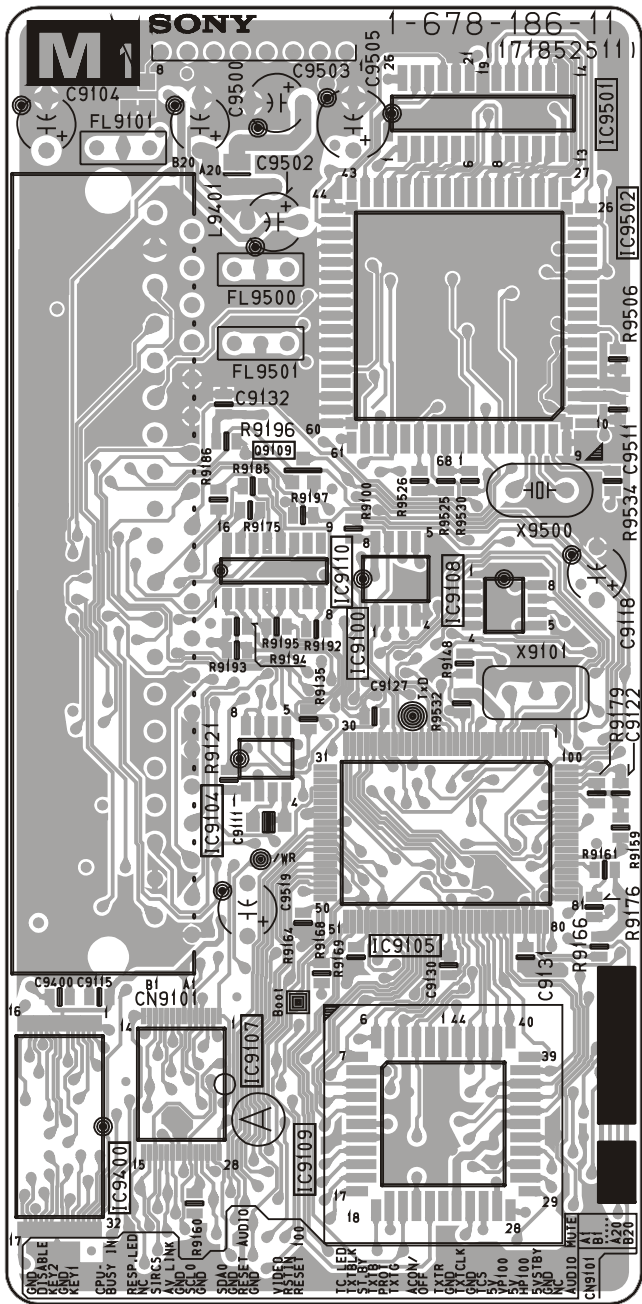
E [PRINTED WIRING BOARD (A side)]



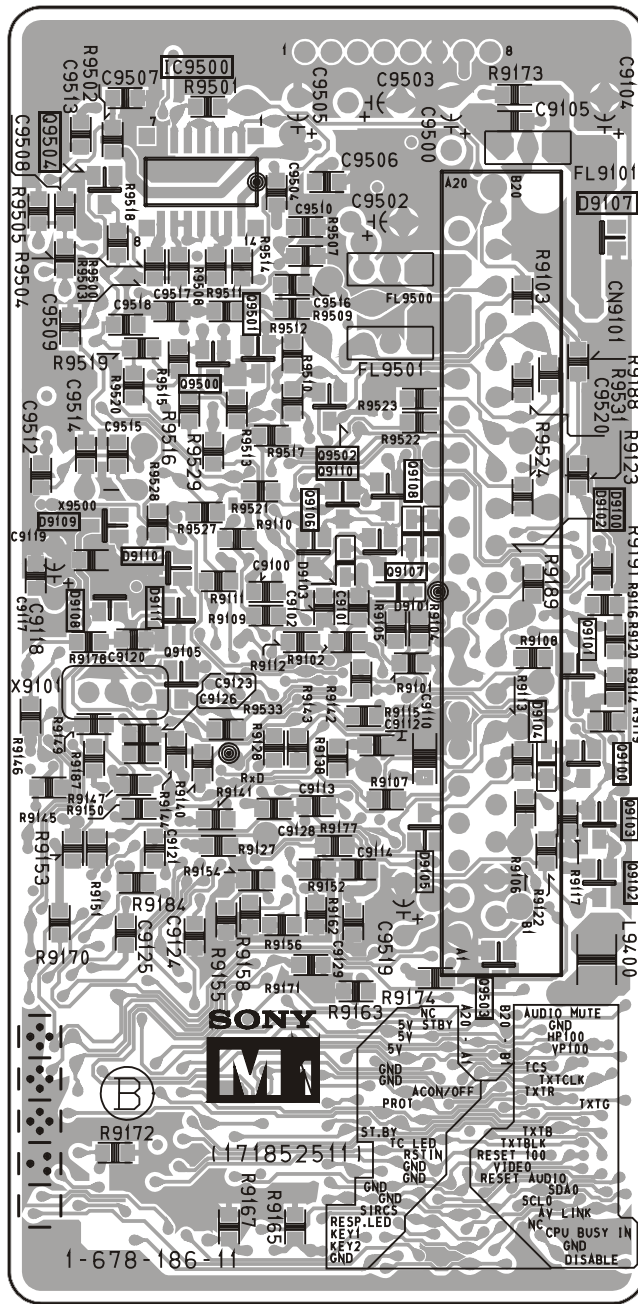
E [PRINTED WIRING BOARD (B side)]



M1



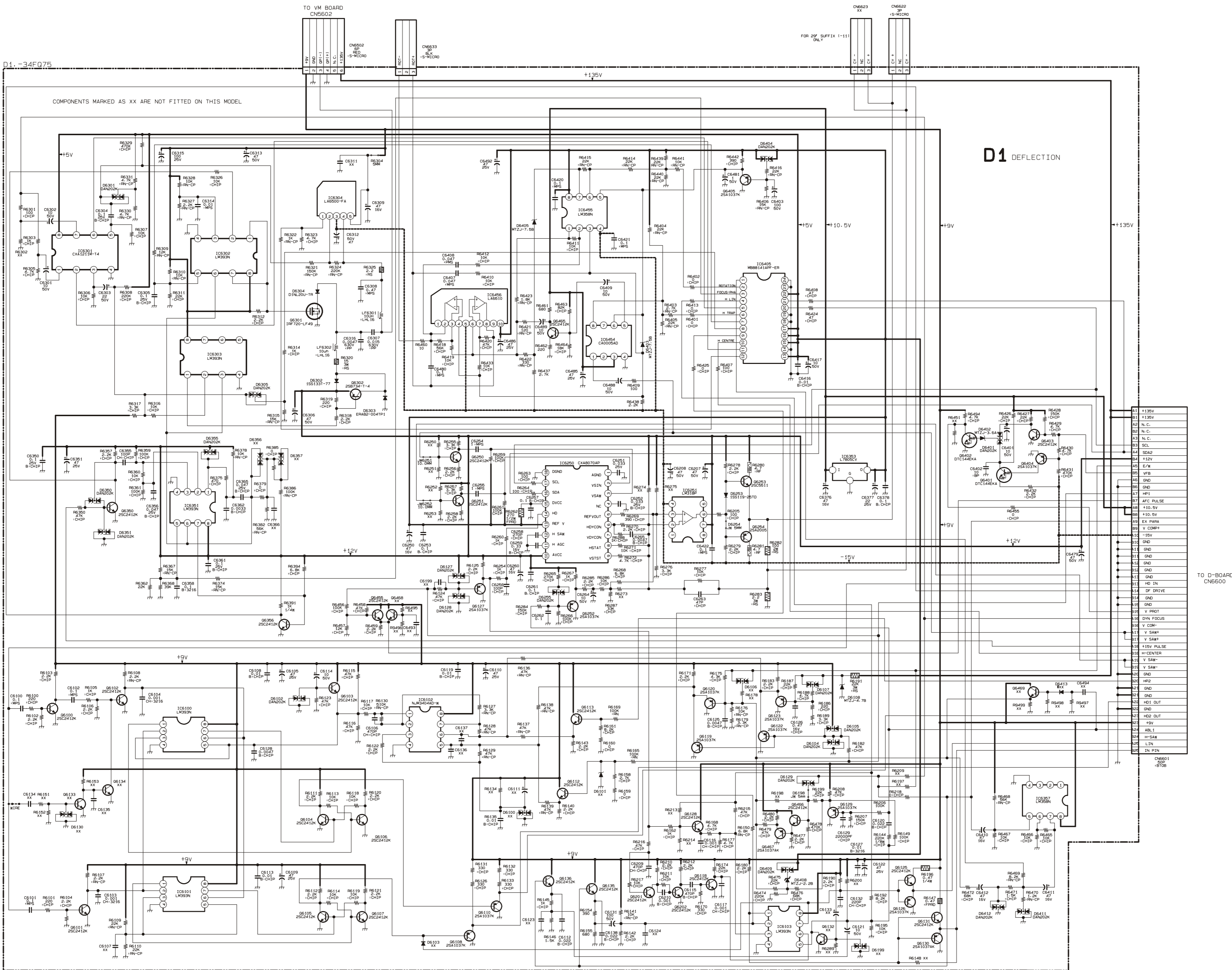
M1

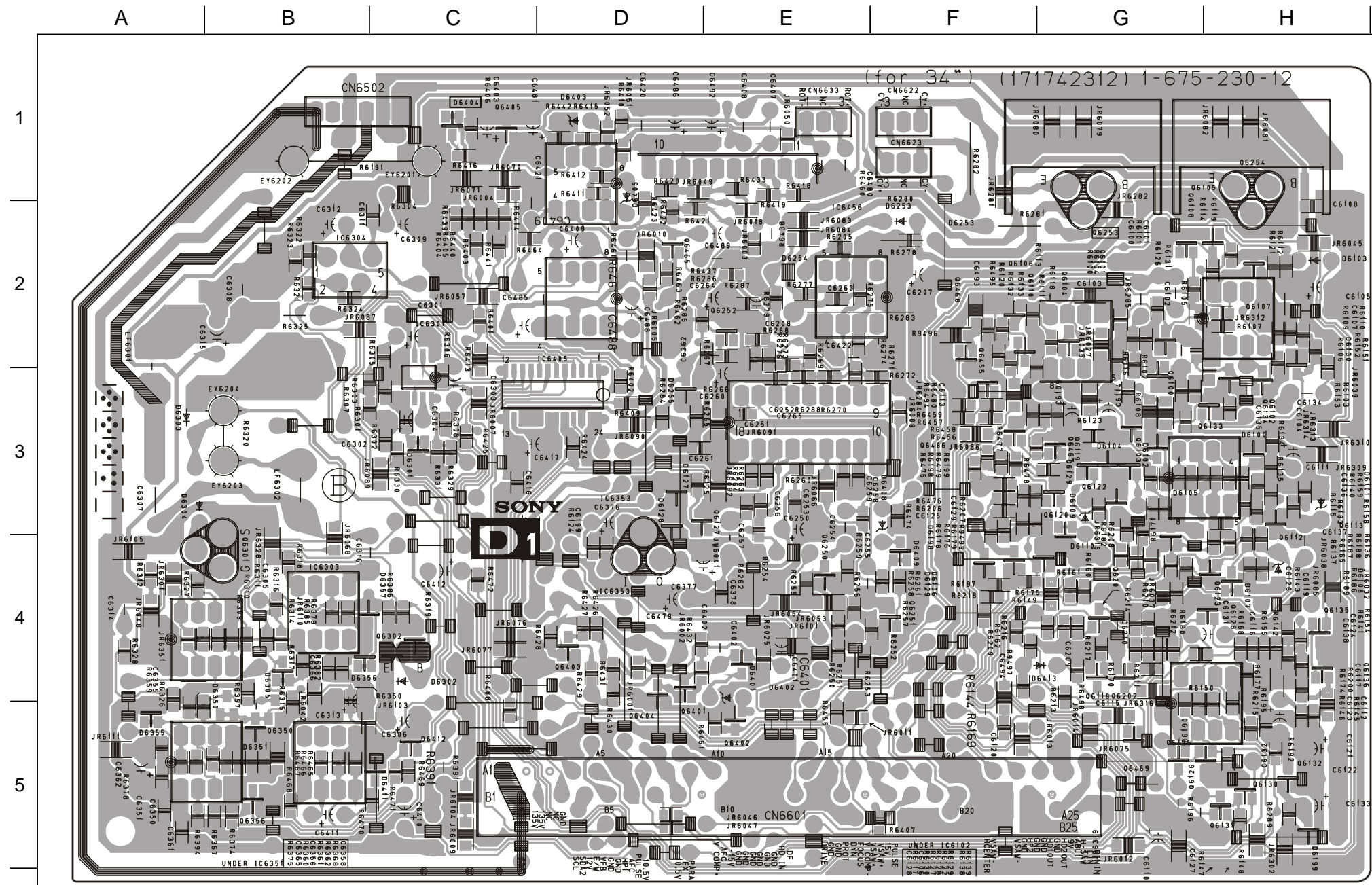


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TO A BOARD
CN1901

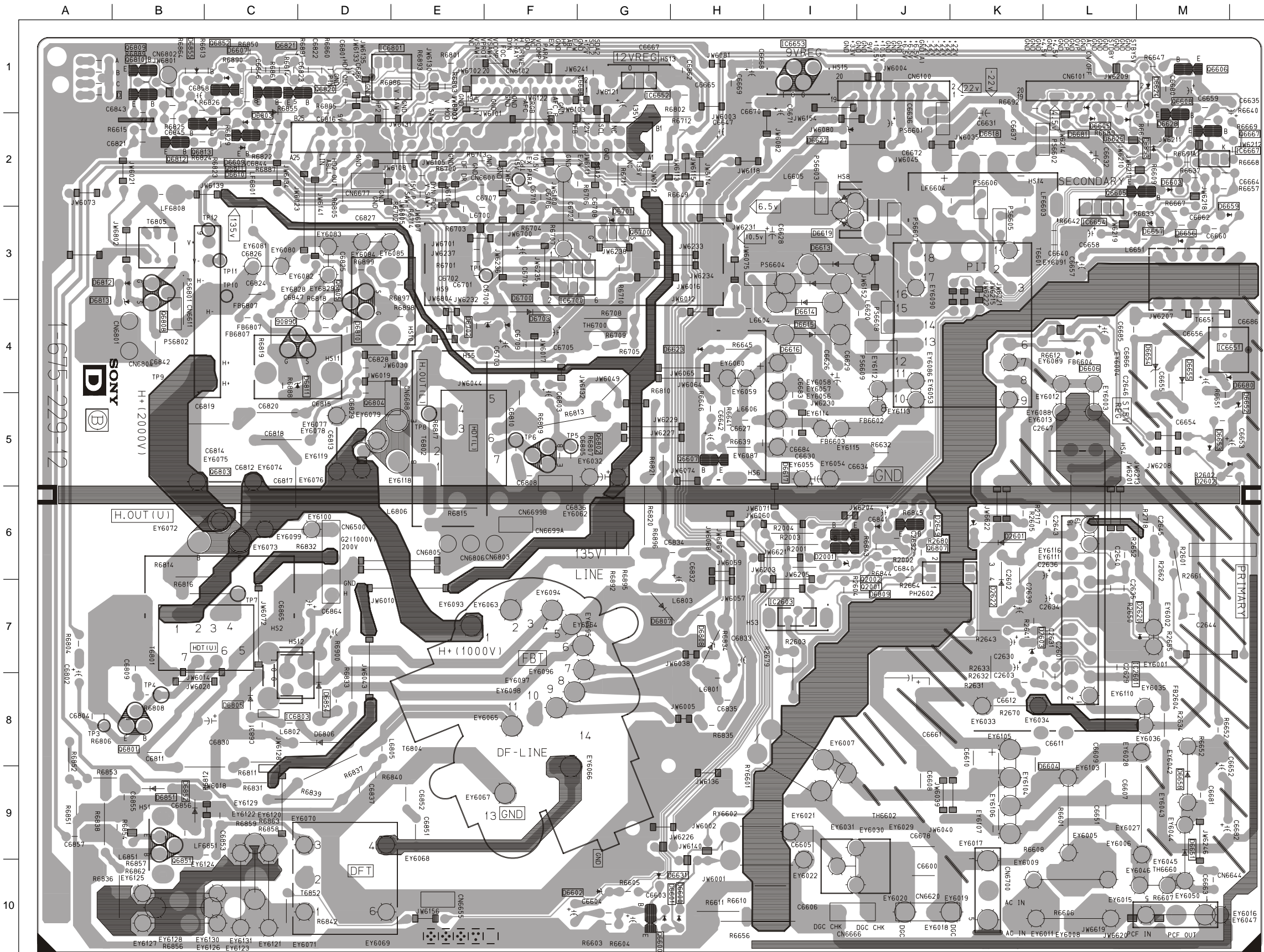
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GN2	A2	KEY2	A2
GN3	A3	KEY1	A3
GN4	A4	CPU BUSY IN	B3
GN5	A5	RESP. LED	A4
GN6	A6	NC	A4
GN7	A7	STRCS	A5
GN8	A8	AV LINK	B5
GN9	A9	SCLO	B6
GN10	A10	SDAO	B7
GN11	A11	RESET AUDIO	B8
GN12	A12	VIDEO	B9
GN13	A13	RSTIN	B10
GN14	A14	RESET	B11
GN15	A15	TC LED	B12
GN16	A16	TXTRBK	B13
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GN347	A		





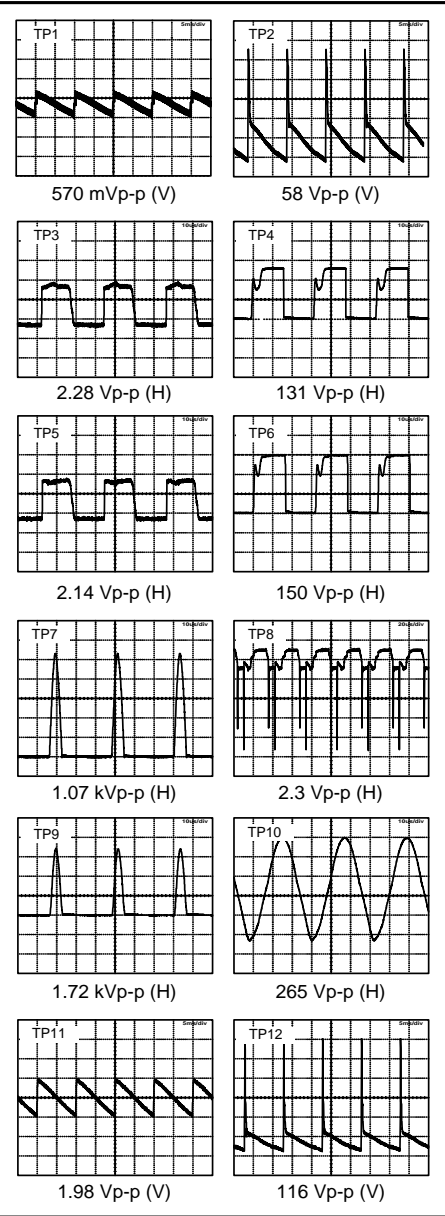
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IC6100 G - 2	IC6351 A - 5	Q6102 H - 3	Q6113 H - 4	Q6128 H - 4	Q6253 H - 2	Q6404 D - 4	D6105 G - 3	D6303 A - 3	D6401 D - 4
IC6101 H - 2	IC6353 D - 4	Q6103 G - 3	Q6118 G - 5	Q6129 F - 3	Q6254 G - 2	Q6405 C - 1	D6107 H - 4	D6304 A - 3	D6402 E - 5
IC6102 H - 3	IC6405 C - 2	Q6104 F - 2	Q6119 F - 4	Q6130 H - 5	Q6301 A - 3	Q6455 F - 3	D6108 H - 4	D6305 B - 4	D6403 D - 1
IC6103 H - 5	IC6454 C - 2	Q6105 G - 2	Q6120 F - 4	Q6131 H - 5	Q6302 C - 4	Q6465 D - 2	D6127 D - 3	D6253 F - 2	D6404 C - 1
IC6250 E - 3	IC6455 C - 1	Q6106 F - 2	Q6122 F - 4	Q6201 G - 4	Q6350 B - 4	Q6466 F - 3	D6128 D - 3	D6254 E - 2	D6405 D - 1
IC6301 C - 3	IC6456 E - 1	Q6107 H - 2	Q6123 H - 3	Q6202 G - 4	Q6356 B - 5	Q6467 G - 3	D6129 F - 3	D6255 D - 3	D6408 E - 3
IC6302 A - 4	TRANSISTOR	Q6108 G - 2	Q6125 H - 5	Q6250 E - 4	Q6401 D - 5	DIODE	D6198 F - 3	D6350 A - 4	D6409 F - 4
IC6303 B - 4	Q6100 G - 3	Q6110 F - 2	Q6126 H - 5	Q6251 F - 4	Q6402 E - 5	D6102 G - 3	D6301 C - 3	D6351 B - 5	

D1 [PRINTED WIRING BOARD]



IC	IC6654 L - 3	TRANSISTORS		Q6607 H - 5	Q6803 C - 6	Q6810 B - 1	Q6851 B - 9	D2620 L - 7	D6603 M - 2	D6610 C - 2	D6618 K - 2	D6628 M - 1	D6655 M - 4	D6701 G - 2	D6809 J - 7	D6853 L - 2
IC2601 L - 7	IC6667 M - 2	Q2001 I - 6	Q6608 M - 1	Q6804 D - 5	Q6811 C - 2	DIODE	D2001 I - 6	D2622 K - 6	D6604 K - 8	D6613 I - 3	D6619 I - 3	D6631 G - 10	D6656 M - 3	D6803 C - 1	D6811 C - 4	D6854 D - 8
IC2603 I - 7	IC6700 F - 3	Q2002 I - 6	Q6667 M - 2	Q6805 D - 4	Q6812 B - 2		D2601 K - 6	D2649 J - 6	D6605 L - 2	D6614 I - 3	D6623 H - 4	D6651 M - 9	D6658 M - 8	D6805 C - 8	D6812 A - 3	
IC6651 M - 4	IC6801 D - 1	Q6600 G - 10	Q6700 G - 3	Q6806 C - 4	Q6813 B - 2		D6601 G - 10	D6600 G - 10	D6606 L - 4	D6615 I - 4	D6624 M - 1	D6652 M - 5	D6659 M - 2	D6806 C - 8	D6813 A - 3	
IC6652 G - 1	IC6803 C - 8	Q6605 L - 2	Q6801 B - 8	Q6807 J - 6	Q6820 C - 1		D2602 M - 5	D6601 G - 10	D6607 C - 1	D6616 I - 4	D6625 L - 2	D6653 M - 5	D6681 L - 2	D6807 G - 7	D6851 B - 9	
IC6653 I - 1		Q6606 M - 1	Q6802 F - 5	Q6809 B - 1	Q6821 C - 1	D2603 K - 7	D6602 F - 10	D6609 C - 2	D6609 C - 2	D6617 I - 5	D6627 I - 2	D6654 M - 4	D6700 F - 3	D6808 H - 7	D6852 B - 9	

D board Waveforms

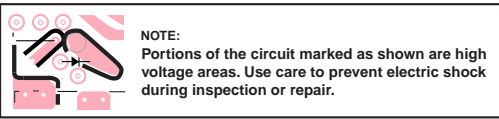


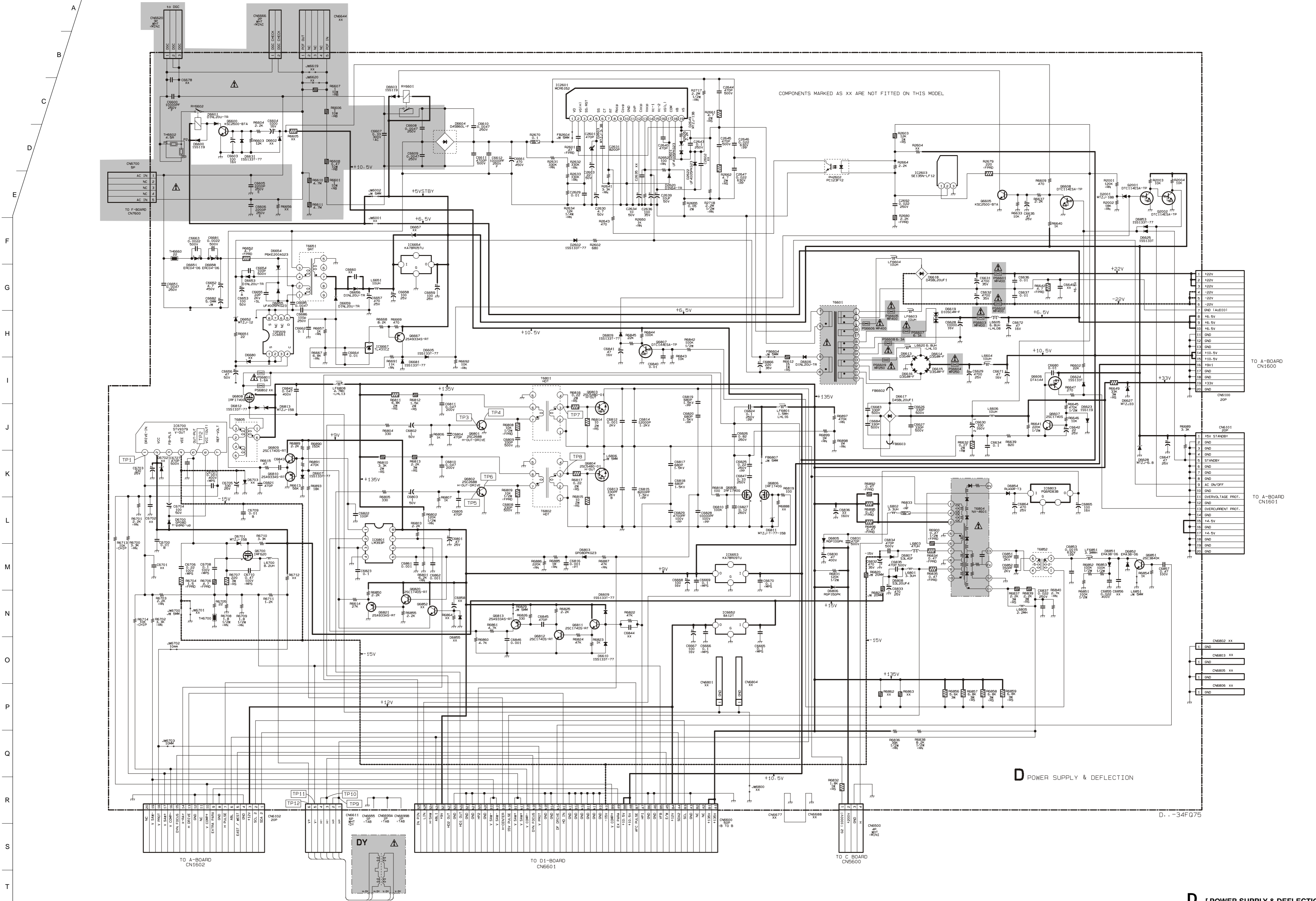
IC Voltage Table		
Ref No	Pin No	Voltage (V)
IC6600	1	134.7
	2	2.5
	3	9.1
	4	0
IC6700	1	1.4
	3	-12.2
	5	-0.8
	6	15.0
IC6801	1	0
	2	0
	3	0
	5	2.2
	6	6.7
	7	0.1

Semiconductor Voltage Table

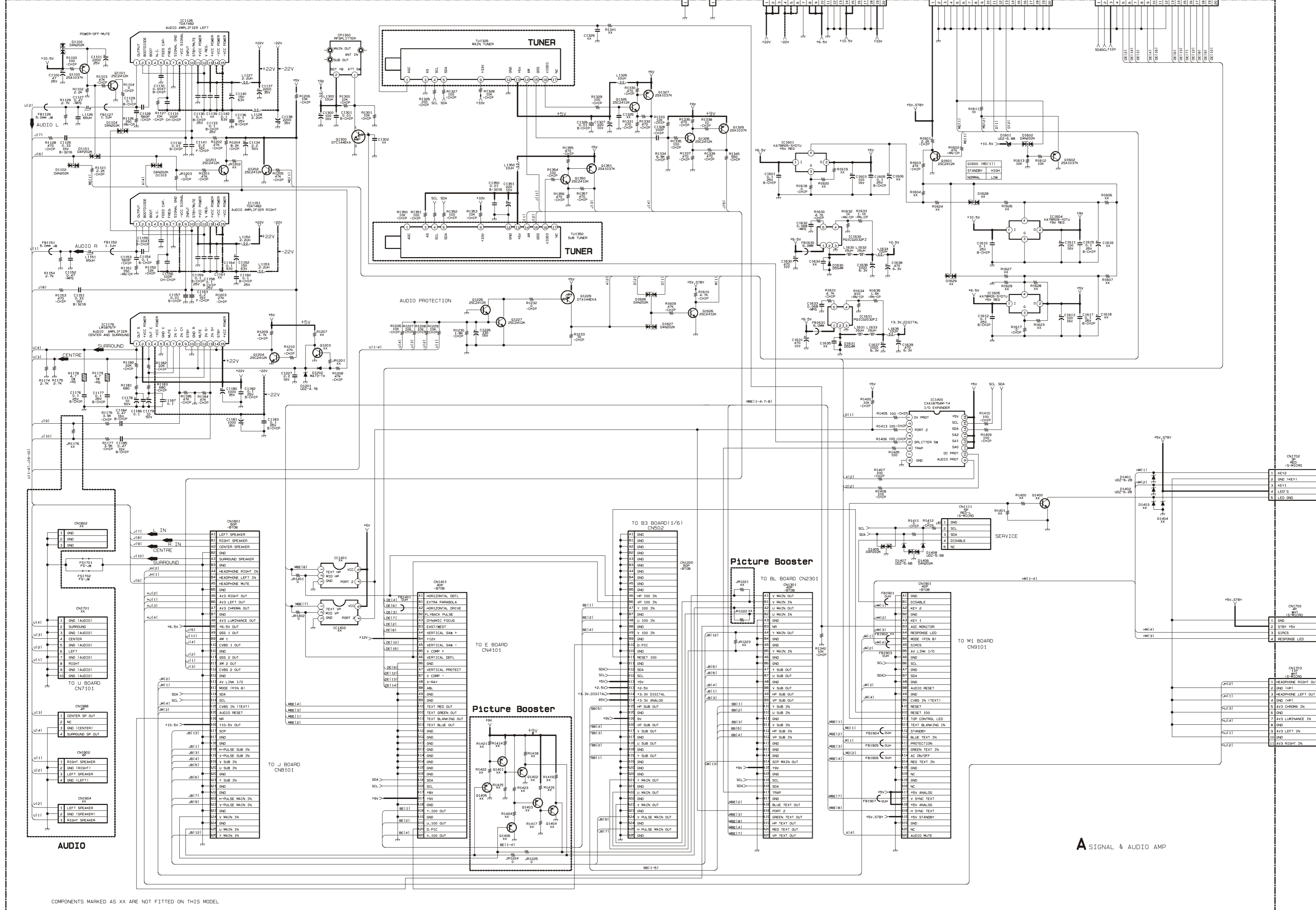
Ref	(e)	(b)	(c)	Ref	(e)	(b)	(c)
Q6676	1.8	2.5	5	Q6603	0	0	11.8
Q6677	1.8	2.1	5	Q6605	0	0.7	0
Q6678	1.8	1.6	5	Q6608	0	0	3.5
Q6807	0	6.4	0	Q6681	0	11.4	0
Q6801	0	0.3	61	Q6607	0.3	0.5	5
Q6802	0	-0.4	73.7	Q6851	0	-1	84.6
Q6803	0	135.2	0	Ref	(s)	(g)	(d)
Q6804	0	0	135.6	Q6805	0	2	22
Q6602	9.1	11.8	0	Q6806	0	1.4	135.7

D [PRINTED WIRING BOARD]





D POWER SUPPLY & DEFLECTION



A SIGNAL & AUDIO AMP

IC Voltage Table

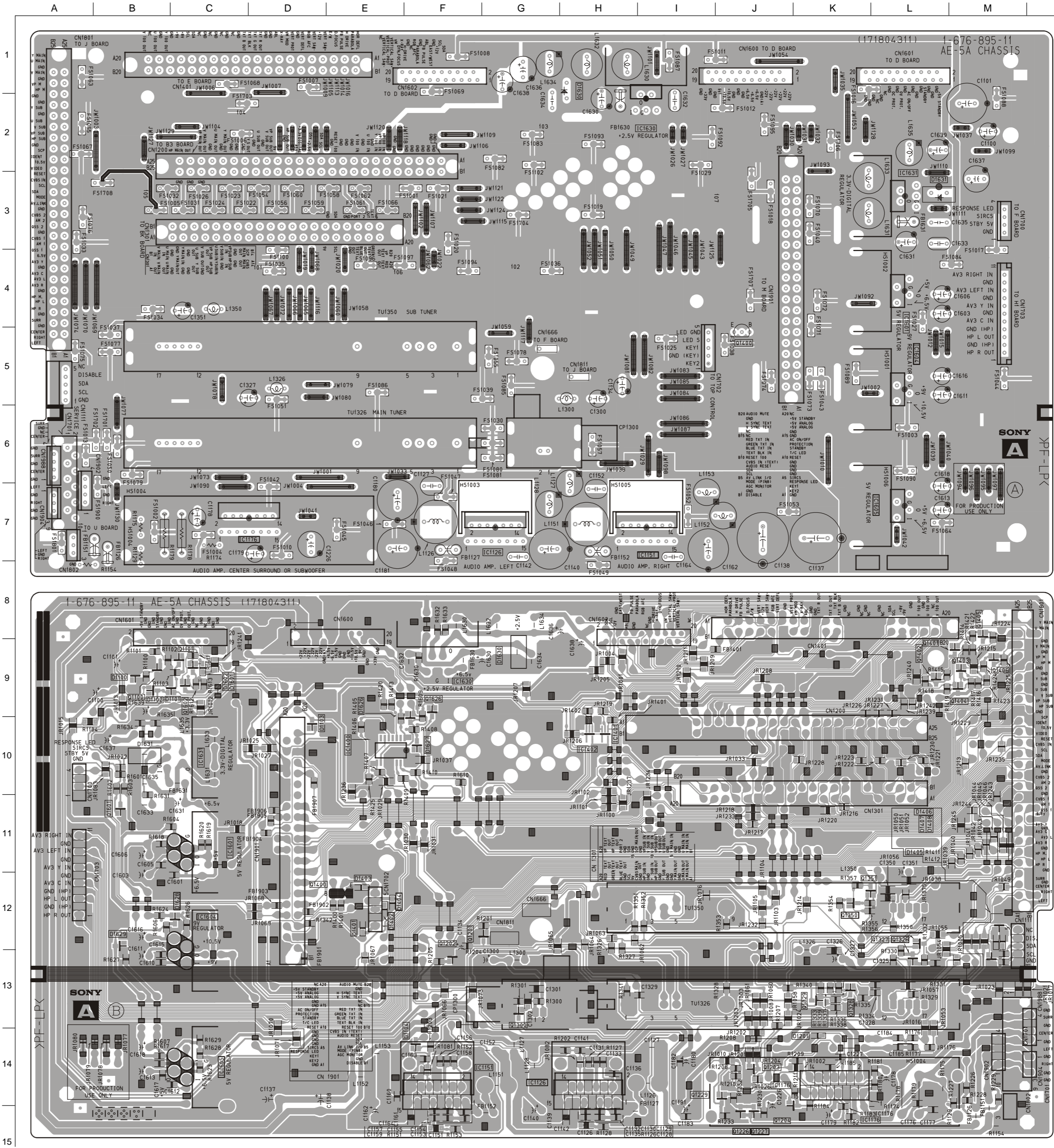
IC Voltage Table		
Ref No	Pin No	Voltage (V)
IC1126	1	0
	2	-11
	3	10
	6	-19
	9	0
	10	4.1
IC1151	12	-11
	1	0
	2	-11
	3	10
	6	-18
	9	0
IC1400	10	4.1
	12	-11
	1	0
	3	4.6
	5	4.6
	6	4.0
IC1400	9	0
	10	0
	14	4.5
	15	4.5
IC1176	1	0
	3	3
	6	3
	7	0
	8	0
	9	0
	11	3
	12	0
	13	0
	14	0

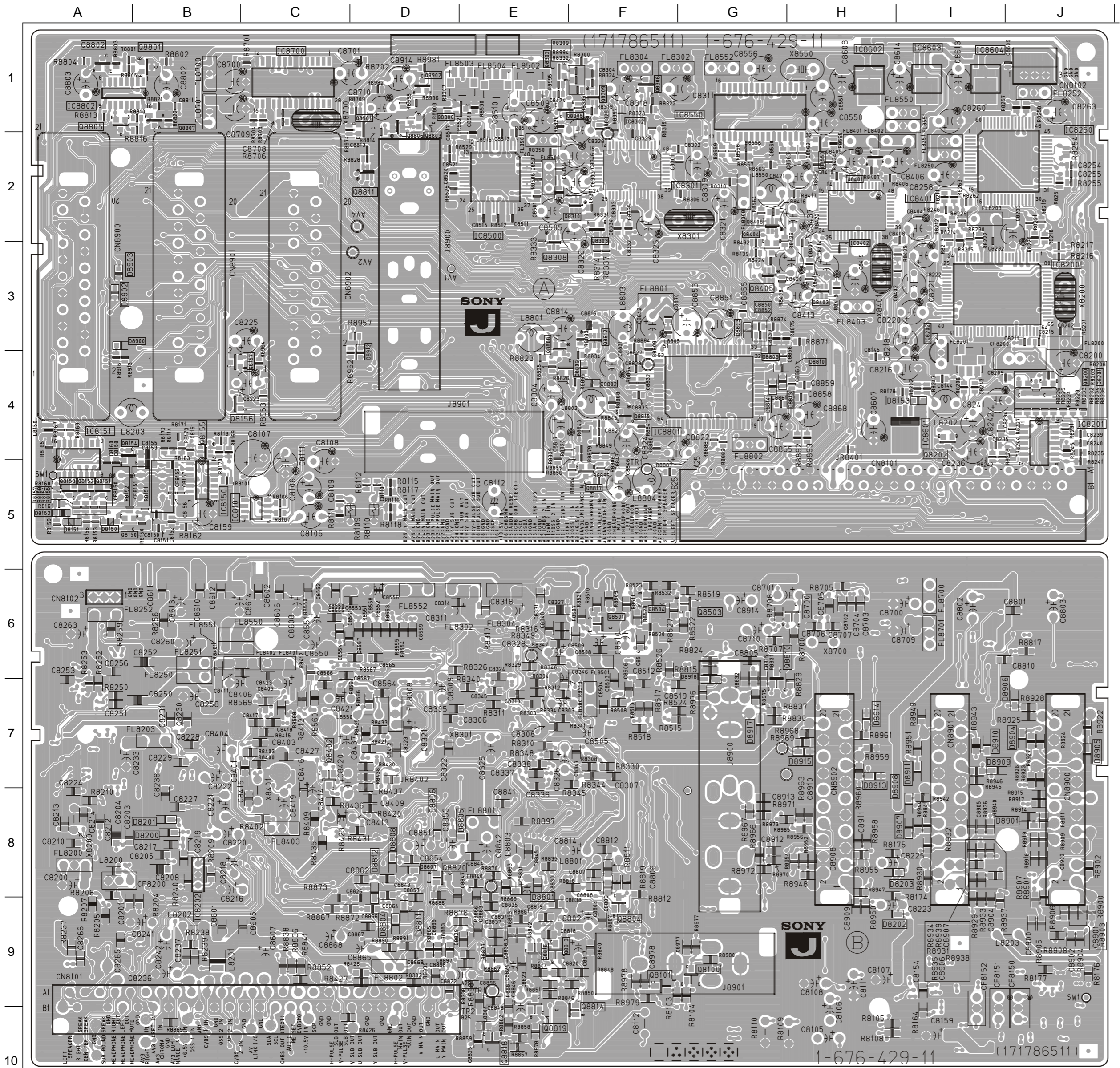
Semiconductor Location Table

IC	Q1403	L - 9
IC1126	G - 7	Q1404 L - 9
IC1151	H - 7	Q1405 M - 8
IC1176	C - 7	Q1406 M - 9
IC1400	E - 10	Q1601 B - 11
IC1601	L - 4	Q1602 C - 9
IC1604	L - 5	Q1626 F - 9
IC1605	L - 7	DIODE
IC1630	I - 2	D1101 B - 9
IC1631	L - 2	D1101 B - 9
TRANSISTOR		
Q1100	B - 9	D1103 D - 10
Q1101	C - 9	D1104 E - 14
Q1201	F - 12	D1201 K - 13
Q1202	F - 12	D1401 E - 12
Q1204	F - 12	D1402 E - 12
Q1226	J - 15	D1405 L - 11
Q1227	J - 15	D1406 L - 11
Q1229	I - 14	D1407 L - 11
Q1300	G - 13	D1408 L - 11
Q1326	L - 12	D1601 C - 9
Q1327	L - 12	D1602 C - 9
Q1328	K - 13	D1626 B - 12
Q1329	K - 13	D1627 F - 10
Q1401	L - 9	D1630 H - 1
Q1402	L - 9	D1631 L - 3

Semiconductor Voltage Table

Ref	(e)	(b)	(c)	Ref	(e)	(b)	(c)
Q1100	10.5	10.6	0	Q1229	5	4.9	0
Q1101	0	0	2.2	Q1326	1.2	1.8	4.4
Q1201	0	0.6	0	Q1327	5	4.4	1.7
Q1202	0	0.1	2.1	Q1328	2.6	3.2	8.3
Q1300	0	4.6	0	Q1329	5	8.3	4.5
Q1226	0	0	4.9	Q1601	0	0	5
Q1227	0	0	4.9	Q1602	3.9	3.3	0





Semiconductor Location Table

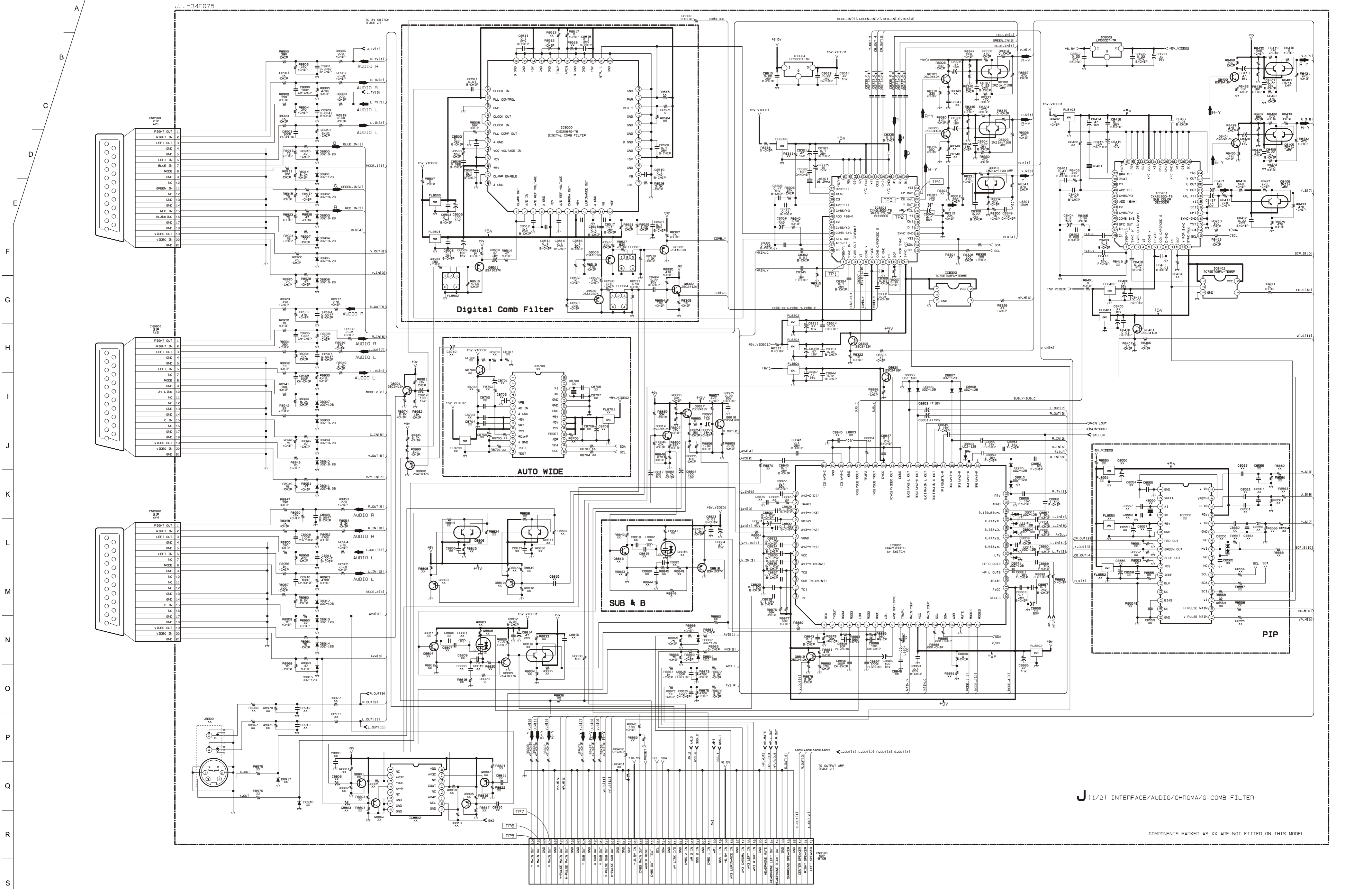
IC		Q8150	A-5	Q8405	G-3	D8810	G-4	
IC8101	B-5 <td>Q8151</td> <td>A-5<td>Q8406</td><td>G-2<td>D8811</td><td>D-9</td></td></td>	Q8151	A-5 <td>Q8406</td> <td>G-2<td>D8811</td><td>D-9</td></td>	Q8406	G-2 <td>D8811</td> <td>D-9</td>	D8811	D-9	
IC8150	B-5 <td>Q8152</td> <td>A-5<td>Q8501</td><td>F-6<td>D8812</td><td>D-8</td></td></td>	Q8152	A-5 <td>Q8501</td> <td>F-6<td>D8812</td><td>D-8</td></td>	Q8501	F-6 <td>D8812</td> <td>D-8</td>	D8812	D-8	
IC8151	A-4 <td>Q8153</td> <td>A-5<td>Q8901</td><td>D-1<td>D8813</td><td>G-4</td></td></td>	Q8153	A-5 <td>Q8901</td> <td>D-1<td>D8813</td><td>G-4</td></td>	Q8901	D-1 <td>D8813</td> <td>G-4</td>	D8813	G-4	
IC8200	J-3 <td>Q8154</td> <td>A-4<th colspan="2">DIODE</th><td colspan="2">D8814</td><td>G-4</td></td>	Q8154	A-4 <th colspan="2">DIODE</th> <td colspan="2">D8814</td> <td>G-4</td>	DIODE		D8814		G-4
IC8201	J-4 <td>Q8156</td> <td>B-4<td>D8150</td><td>A-5<td>D8900</td><td>A-3</td></td></td>	Q8156	B-4 <td>D8150</td> <td>A-5<td>D8900</td><td>A-3</td></td>	D8150	A-5 <td>D8900</td> <td>A-3</td>	D8900	A-3	
IC8202	I-3 <td>Q8157</td> <td>C-4<td>D8151</td><td>A-5<td>D8901</td><td>J-8</td></td></td>	Q8157	C-4 <td>D8151</td> <td>A-5<td>D8901</td><td>J-8</td></td>	D8151	A-5 <td>D8901</td> <td>J-8</td>	D8901	J-8	
IC8301	F-2 <td>Q8200</td> <td>J-3<td>D8152</td><td>A-5<td>D8902</td><td>A-3</td></td></td>	Q8200	J-3 <td>D8152</td> <td>A-5<td>D8902</td><td>A-3</td></td>	D8152	A-5 <td>D8902</td> <td>A-3</td>	D8902	A-3	
IC8302	F-1 <td>Q8201</td> <td>J-4<td>D8153</td><td>I-4<td>D8903</td><td>A-3</td></td></td>	Q8201	J-4 <td>D8153</td> <td>I-4<td>D8903</td><td>A-3</td></td>	D8153	I-4 <td>D8903</td> <td>A-3</td>	D8903	A-3	
IC8401	I-2 <td>Q8202</td> <td>I-4<td>D8200</td><td>B-8<td>D8904</td><td>J-7</td></td></td>	Q8202	I-4 <td>D8200</td> <td>B-8<td>D8904</td><td>J-7</td></td>	D8200	B-8 <td>D8904</td> <td>J-7</td>	D8904	J-7	
IC8402	H-2 <td>Q8300</td> <td>D-1<td>D8201</td><td>B-8<td>D8905</td><td>J-7</td></td></td>	Q8300	D-1 <td>D8201</td> <td>B-8<td>D8905</td><td>J-7</td></td>	D8201	B-8 <td>D8905</td> <td>J-7</td>	D8905	J-7	
IC8500	E-2 <td>Q8302</td> <td>E-1<td>D8202</td><td>H-9<td>D8906</td><td>I-7</td></td></td>	Q8302	E-1 <td>D8202</td> <td>H-9<td>D8906</td><td>I-7</td></td>	D8202	H-9 <td>D8906</td> <td>I-7</td>	D8906	I-7	
IC8550	G-1 <td>Q8303</td> <td>F-2<td>D8203</td><td>H-8<td>D8907</td><td>I-8</td></td></td>	Q8303	F-2 <td>D8203</td> <td>H-8<td>D8907</td><td>I-8</td></td>	D8203	H-8 <td>D8907</td> <td>I-8</td>	D8907	I-8	
IC8601	I-4 <td>Q8305</td> <td>E-1<td>D8801</td><td>E-8<td>D8908</td><td>I-8</td></td></td>	Q8305	E-1 <td>D8801</td> <td>E-8<td>D8908</td><td>I-8</td></td>	D8801	E-8 <td>D8908</td> <td>I-8</td>	D8908	I-8	
IC8602	H-1 <td>Q8306</td> <td>F-1<td>D8802</td><td>F-4<td>D8909</td><td>I-7</td></td></td>	Q8306	F-1 <td>D8802</td> <td>F-4<td>D8909</td><td>I-7</td></td>	D8802	F-4 <td>D8909</td> <td>I-7</td>	D8909	I-7	
IC8603	I-1 <td>Q8308</td> <td>E-3<td>D8803</td><td>G-3<td>D8910</td><td>I-7</td></td></td>	Q8308	E-3 <td>D8803</td> <td>G-3<td>D8910</td><td>I-7</td></td>	D8803	G-3 <td>D8910</td> <td>I-7</td>	D8910	I-7	
IC8604	I-1 <td>Q8309</td> <td>F-1<td>D8804</td><td>D-9<td>D8911</td><td>I-7</td></td></td>	Q8309	F-1 <td>D8804</td> <td>D-9<td>D8911</td><td>I-7</td></td>	D8804	D-9 <td>D8911</td> <td>I-7</td>	D8911	I-7	
IC8700	C-1 <td>Q8310</td> <td>E-2<td>D8805</td><td>D-8<td>D8912</td><td>D-3</td></td></td>	Q8310	E-2 <td>D8805</td> <td>D-8<td>D8912</td><td>D-3</td></td>	D8805	D-8 <td>D8912</td> <td>D-3</td>	D8912	D-3	
IC8801	F-4 <td>Q8401</td> <td>H-2<td>D8806</td><td>D-8<td>D8913</td><td>H-7</td></td></td>	Q8401	H-2 <td>D8806</td> <td>D-8<td>D8913</td><td>H-7</td></td>	D8806	D-8 <td>D8913</td> <td>H-7</td>	D8913	H-7	
TRANSISTOR		Q8402	C-7 <td>D8807</td> <td>D-8<td>D8914</td><td>H-7</td></td>	D8807	D-8 <td>D8914</td> <td>H-7</td>	D8914	H-7	
Q8100	G-9 <td>Q8403</td> <td>H-3<td>D8808</td><td>D-8<td>D8915</td><td>H-7</td></td></td>	Q8403	H-3 <td>D8808</td> <td>D-8<td>D8915</td><td>H-7</td></td>	D8808	D-8 <td>D8915</td> <td>H-7</td>	D8915	H-7	
Q8101	F-9 <td>Q8404</td> <td>G-2<td>D8809</td><td>G-3<td></td><td></td></td></td>	Q8404	G-2 <td>D8809</td> <td>G-3<td></td><td></td></td>	D8809	G-3 <td></td> <td></td>			

IC Voltage Table

IC Voltage Table					
Ref No	Pin No	Voltage (V)	Ref No	Pin No	Voltage (V)
IC8200	2-3	4.7	IC8500	1-2	1.5
	4-6	2.5		3	0.5
	7	0.6		6	2.6
	17	0.7		7	0.9
	21	5.0		9	1.0
	36	3.8		11	2.8
	37	3.7		12-13	1.8
	38	7.0		14	1.0
	40	7.0		22-23	5.0
	45	3.7		26	5.0
	56-57	3.8		30	5.0
	58	2.6		37	2.4
IC8201	60	3.8	IC8101	40-42	1.9
	67	0.4		44	1.9
	68-69	1.5		1	4.2
	71	2.4		3	4.1
	72	2.2		5	0.6
				8	0.5
IC8301	1-3	5.0	IC8801	1	1.8
	5-10	5.0		2-4	4.5
	12-14	5.0		5	0
	1	2.4		6-7	4.6
	2	1.9		8	0
	3	1.5		9	4.6
	4	0.1		10	3.4
	5	2.4		11	3.8
	7	2.6		13	4.5
	9	0.3		22-30	4.5
	10	0.8		32-41	4.5
	11	2.5		43	4.6
IC8401	13-14	4.5	IC8151	45	3.7
	20	2.4		46	3.5
	21	1.8		47	4.5
	22-23	1.9		49	4.5
	24	0.1		51-80	4.5
	25-27	2.5		2	2.4
	29	2.8		3	4.6
	37	1.1		4	4.6
	38	4.0		5	0.4
	1	2.3		6	4.6
	2	1.9		7	0.4
	4	0.1		9	0
IC8401	9	0.3	IC8150	10	2.6
	10	4.0		1	3.0
	11	2.4		2	2.5
	20	2.4		3	1.7
	21	1.7		6	4.3
	22-23	1.9		12	2.4
	37	1.1		13	4.6
	38	4.0		14	2.5
	40	3.3			
	47	3.8			
	48	1.8			

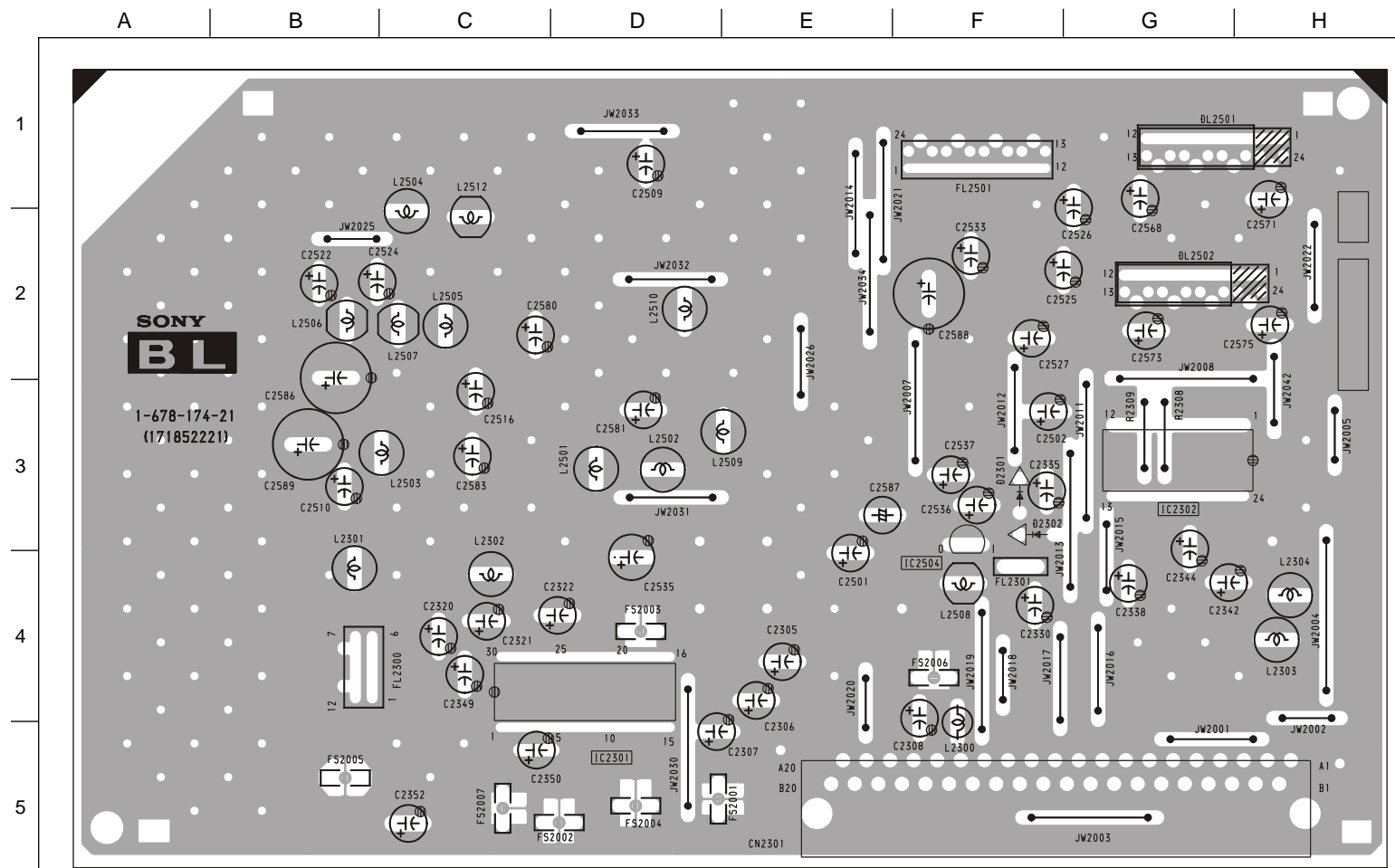
Semiconductor Voltage Table

Ref	(e)	(b)	(c)	Ref	(e)	(b)	(c)
Q8150	2.9	3.6	5.0	Q8302	1.0	1.6	9.0
Q8151	0	0.4	4.8	Q8303	1.3	1.9	7.7
Q8152	0	4.6	0	Q8305	1.3	1.9	7.3
Q8153	0	0.4	4.8	Q8306	0.1	0.1	5.0
Q8154	0	4.6	0	Q8401	0.1	0.1	5.0
Q8156	3.9	4.6	9.0	Q8404	1.2	1.9	7.4
Q8157	3.9	4.6	9.0	Q8809	2.7	2.1	0
Q8200	1.9	2.5	5.0	Q8817	3.9	4.6	9.0
Q8201	1.2	1.9	5.0	Q8901	1.9	2.5	9.0
Q8202	5.1	5.8	9.0	Ref	(s)	(g)	(d)
Q8300	1.6	1.0	0	Q8815	1.8	0	0.6



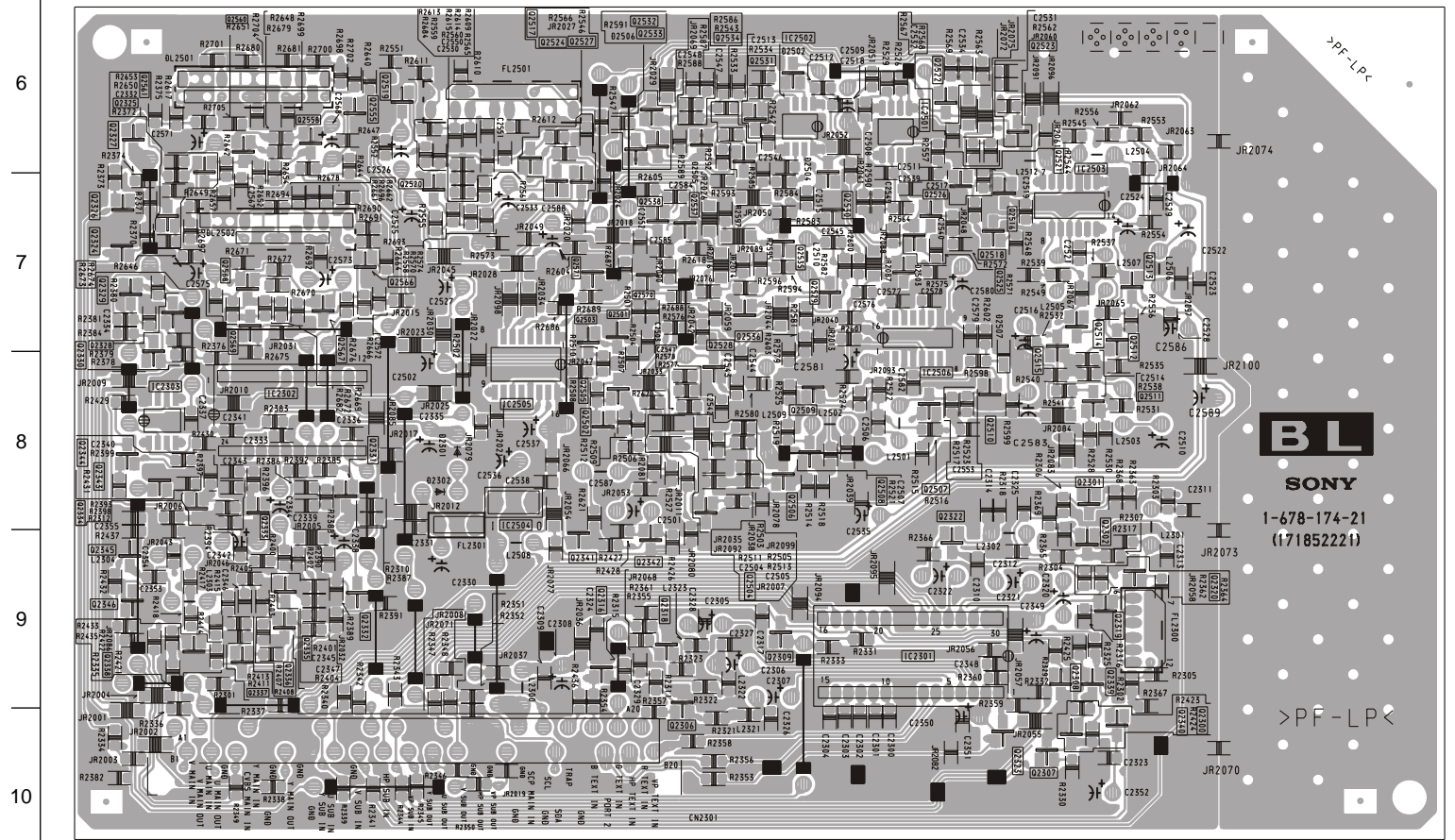
J (1/2) INTERFACE/AUDIO/CHROMA/G COMB FILTER

COMPONENTS MARKED AS XX ARE NOT FITTED ON THIS MODEL



BL [PRINTED WIRING BOARD [A] SIDE]

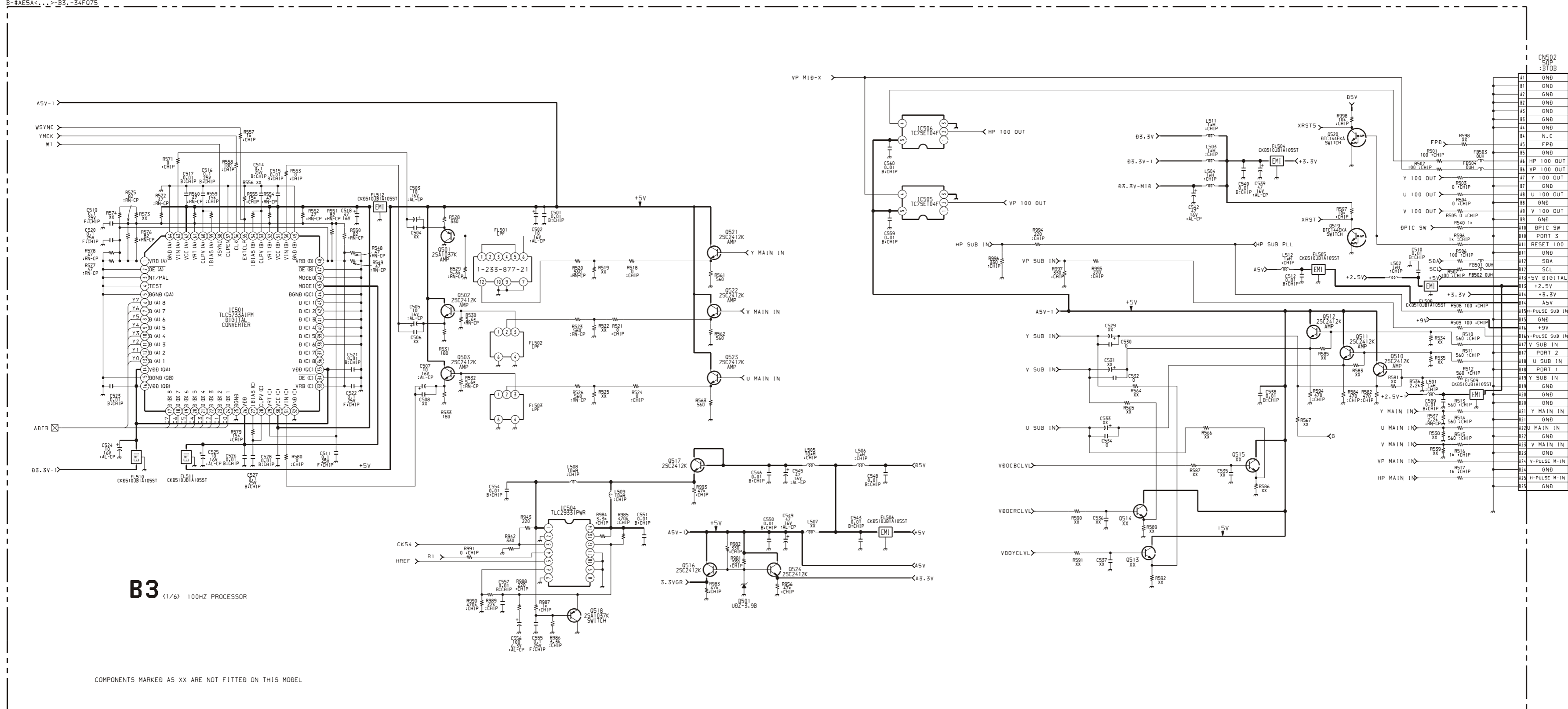
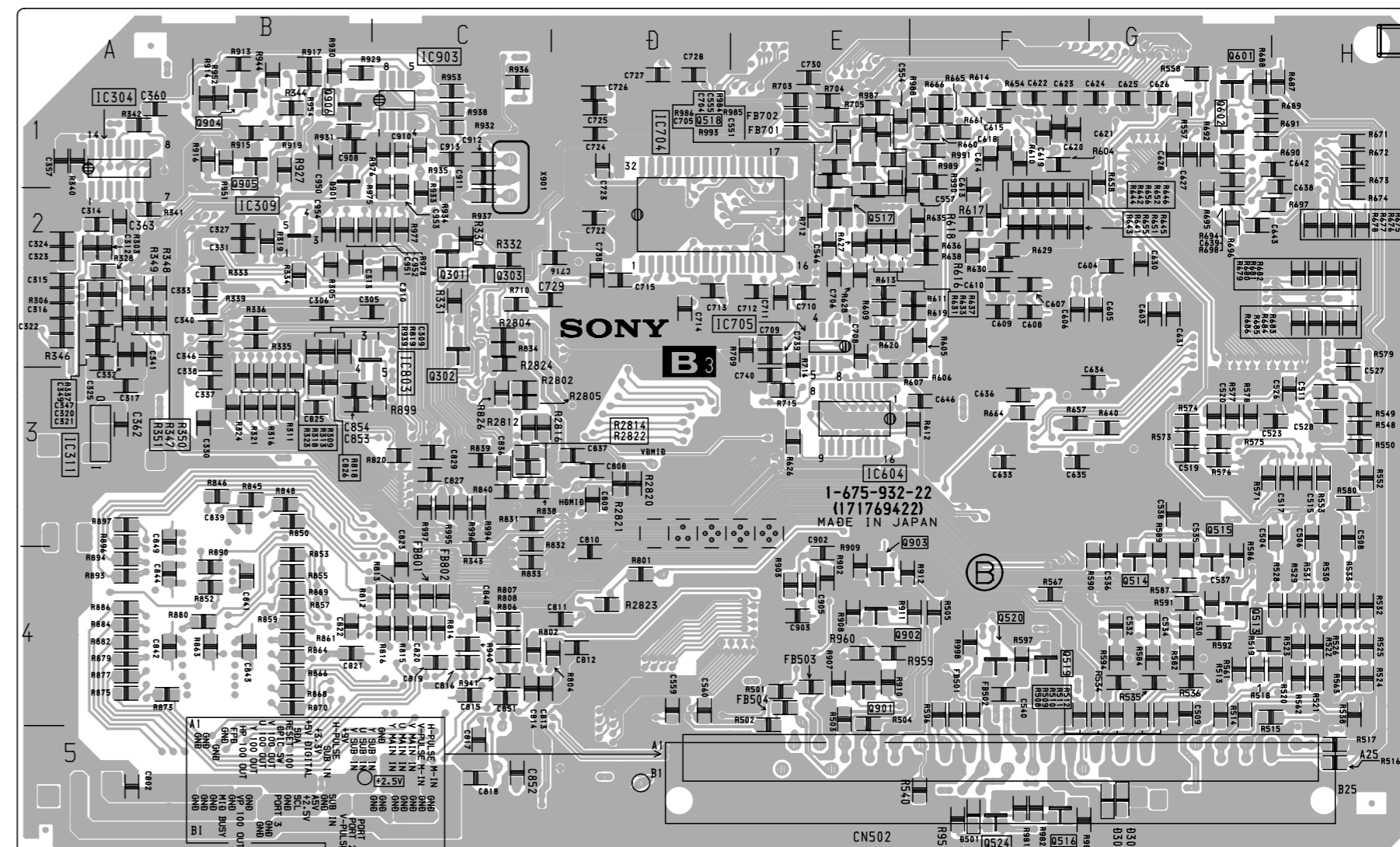
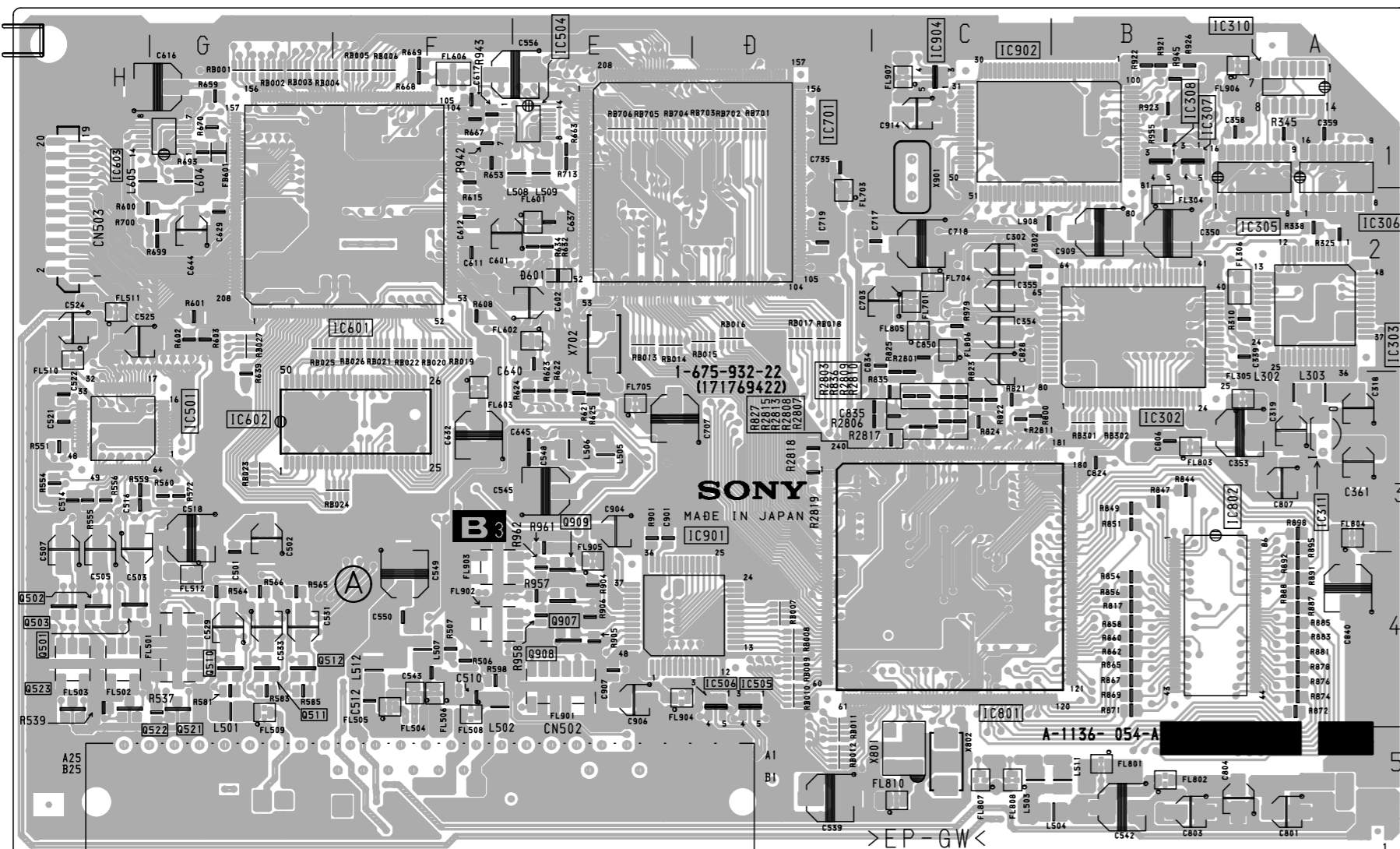
IC		Q2504	D - 8
IC2301	D - 4	Q2505	D - 8
IC2501	E - 6	Q2506	E - 8
IC2503	F - 7	Q2507	F - 8
IC2504	F - 3	Q2508	E - 8
IC2505	C - 8	Q2509	E - 8
TRANSISTOR		Q2510	F - 8
Q2300	G - 10	Q2511	F - 8
Q2301	F - 8	Q2512	G - 7
Q2302	F - 9	Q2513	G - 7
Q2306	D - 10	Q2514	F - 7
Q2307	F - 10	Q2515	F - 7
Q2309	E - 9	Q2516	F - 7
Q2316	D - 9	Q2517	C - 6
Q2318	D - 9	Q2518	F - 7
Q2319	G - 9	Q2519	B - 6
Q2320	G - 9	Q2520	C - 7
Q2322	F - 9	Q2521	F - 7
Q2323	F - 10	Q2522	F - 6
Q2324	A - 7	Q2523	F - 6
Q2326	A - 7	Q2524	C - 7
Q2327	A - 7	Q2525	F - 7
Q2331	B - 8	Q2526	F - 7
Q2332	B - 9	Q2527	D - 7
Q2333	B - 8	Q2528	D - 8
Q2334	A - 8	Q2529	E - 7
Q2335	B - 9	Q2530	E - 7
Q2336	B - 9	Q2532	D - 6
Q2337	B - 9	Q2533	D - 6
Q2338	A - 9	Q2555	B - 6
Q2339	F - 9	Q2566	B - 7
Q2340	F - 10	Q2568	B - 7
Q2341	D - 9	Q2571	D - 7
Q2342	D - 9	DIODE	
Q2344	A - 8	D2502	E - 6
Q2345	A - 9	D2503	E - 7
Q2502	D - 8	D2504	D - 6
Q2503	D - 7		



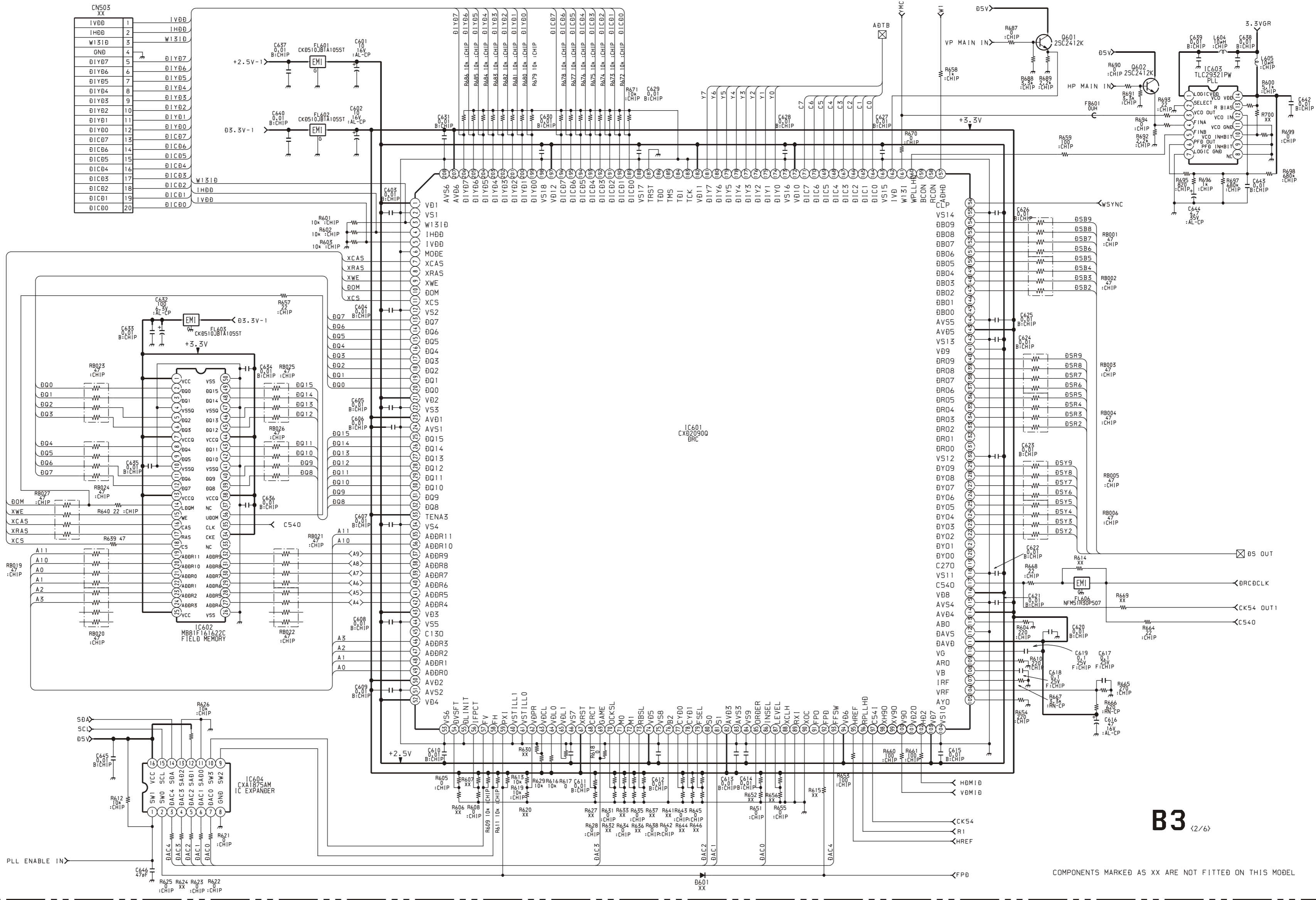
BL [PRINTED WIRING BOARD [B] SIDE]



B-#AE5A<...>-B3-34F075

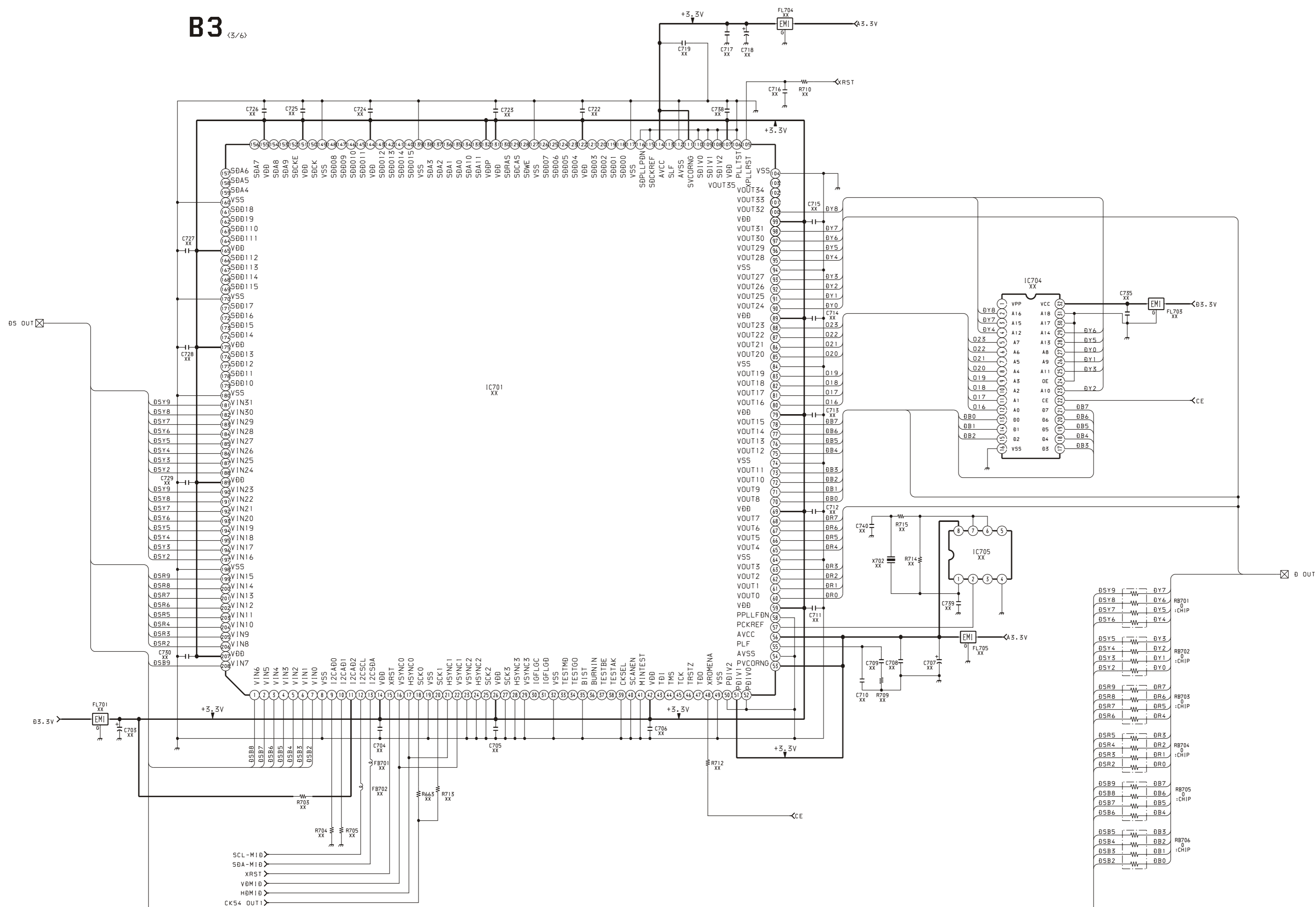
**B3**[100Hz PROCESSOR (1/6)]

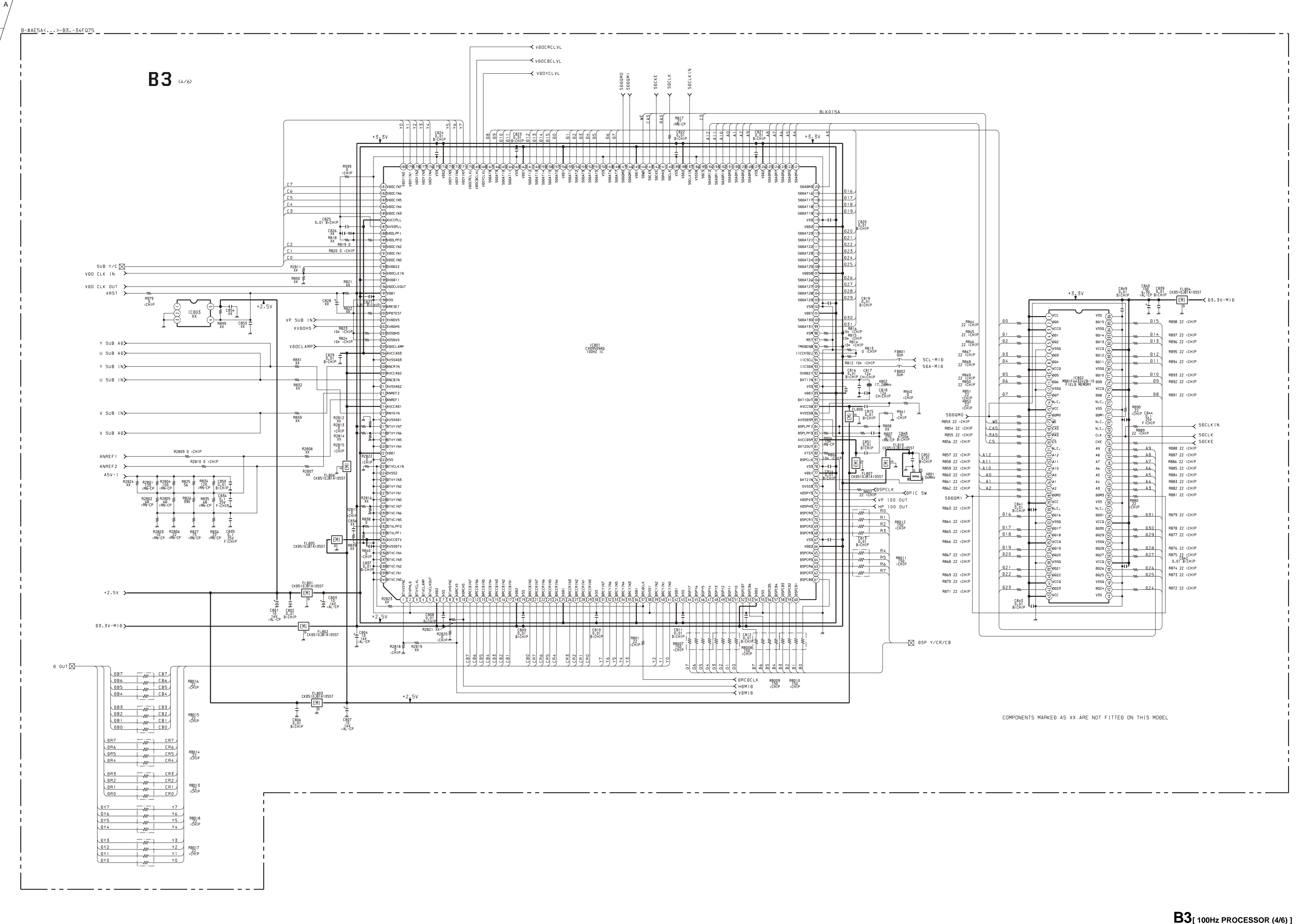
B-#AE5A<...>-B3.-34F075

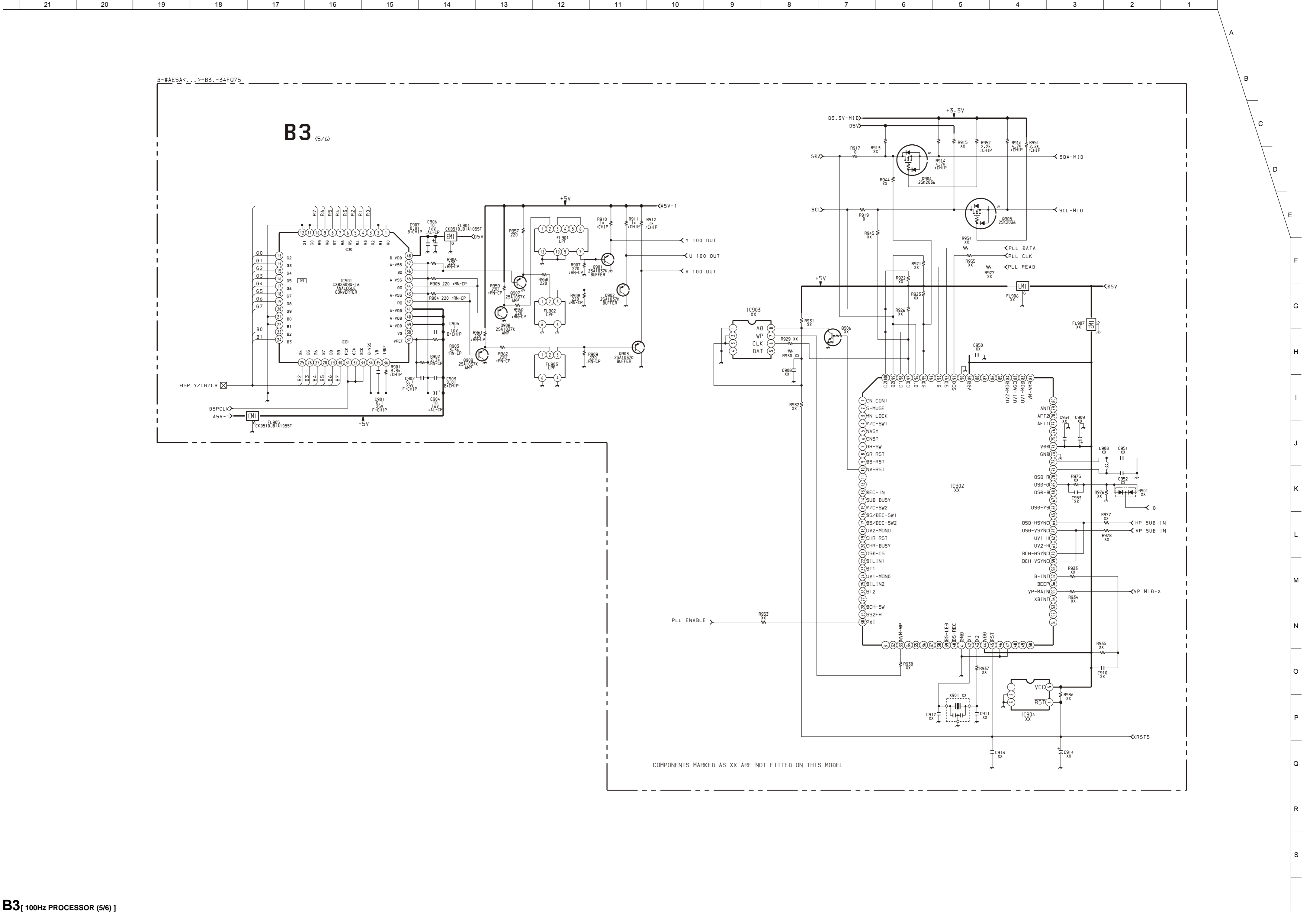


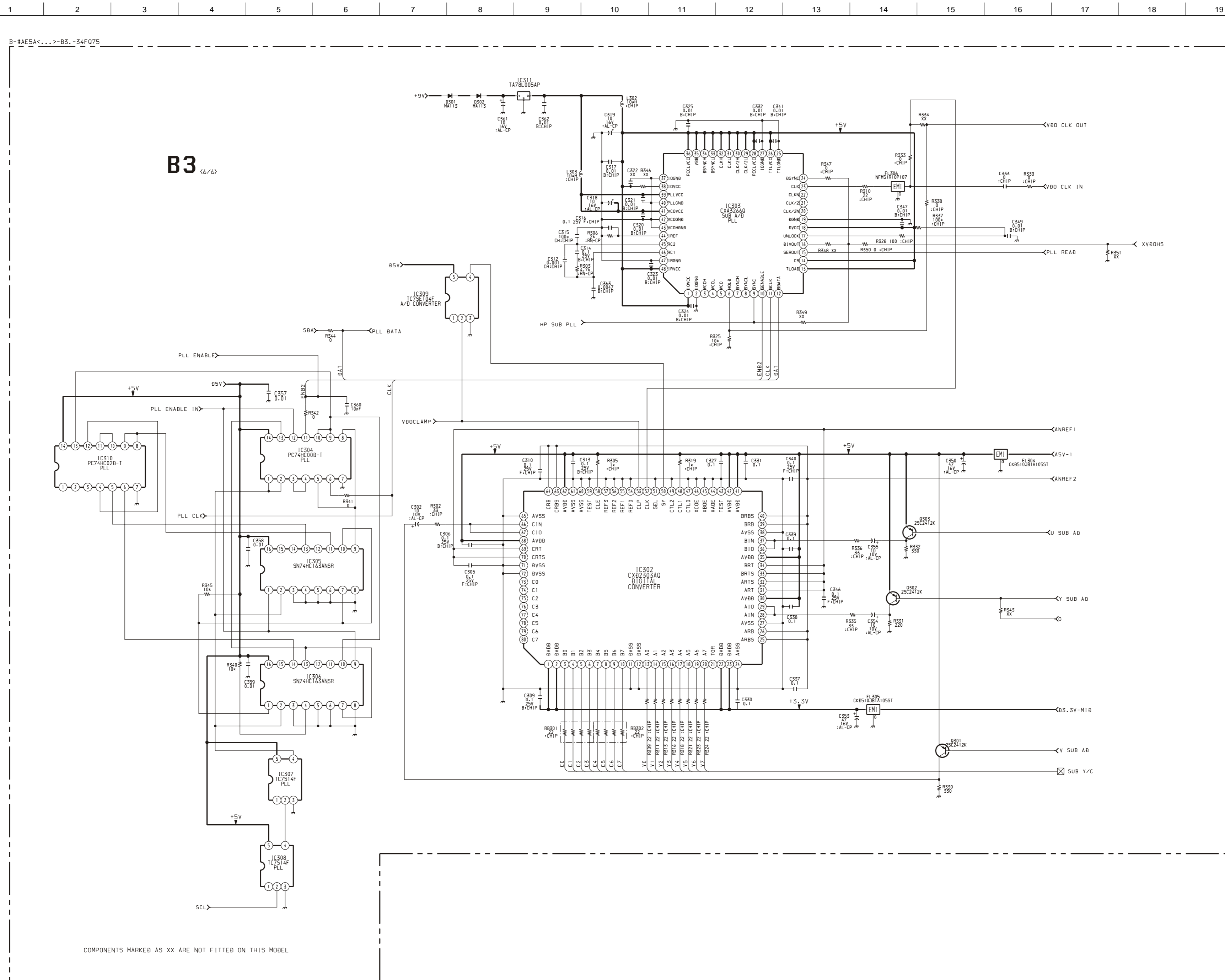
B3 (2/6)

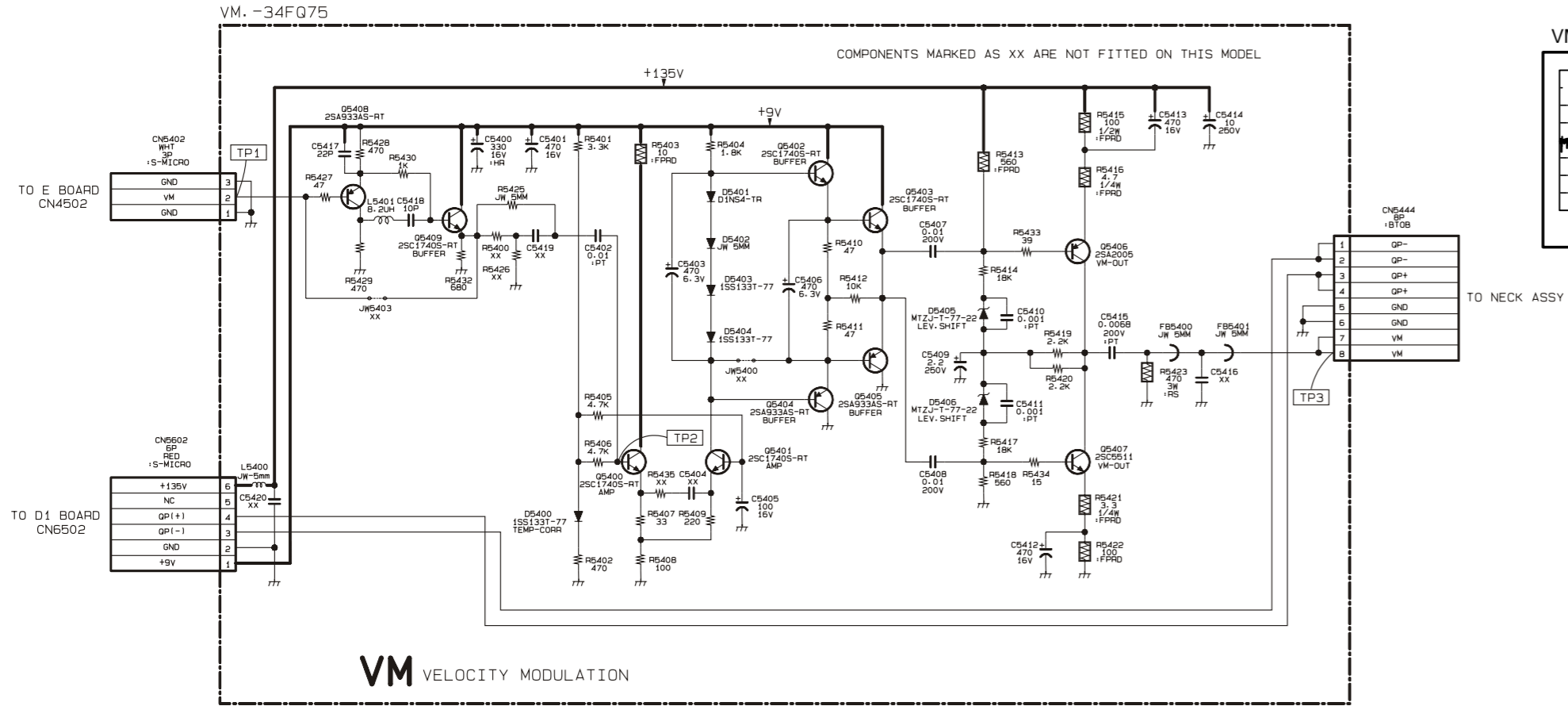
B-#AE5A<...>-B3.-34FQ75



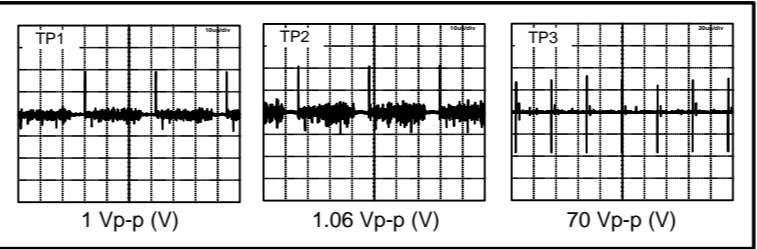






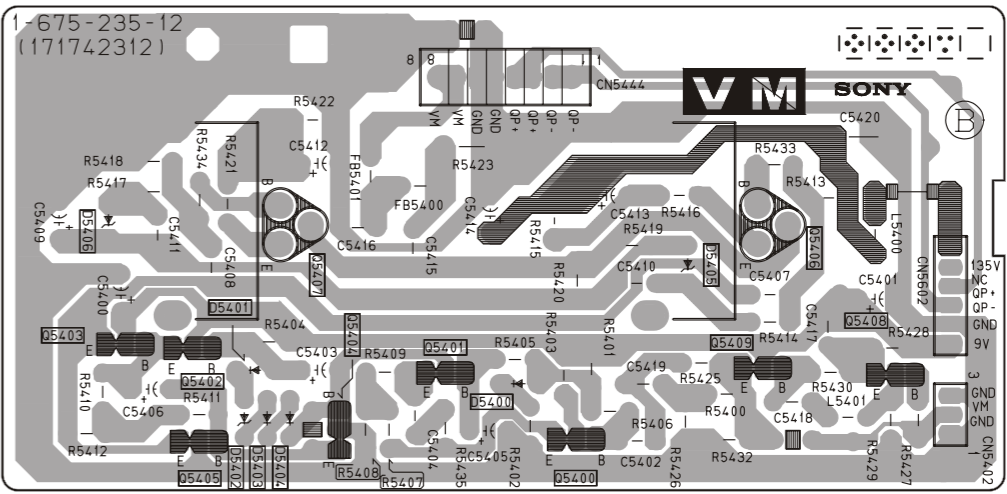


VM board Waveforms



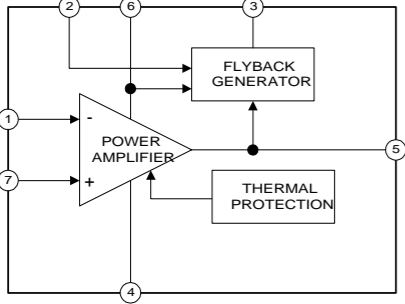
Semiconductor Voltage Table

Ref	(a)	(b)	(c)
Q5400	1.3	1.9	8.9
Q5401	1.4	2.1	5.3
Q5402	6.1	6.7	9.0
Q5403	6.0	6.1	9.0
Q5404	0	5.3	5.9
Q5405	0	5.9	6.0
Q5406	135.4	134.8	67.9
Q5407	0.8	1.4	67.9
Q5408	7.6	7.0	1.3
Q5409	6.9	7.6	9.0

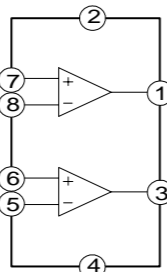


5-5. IC BLOCK DIAGRAMS

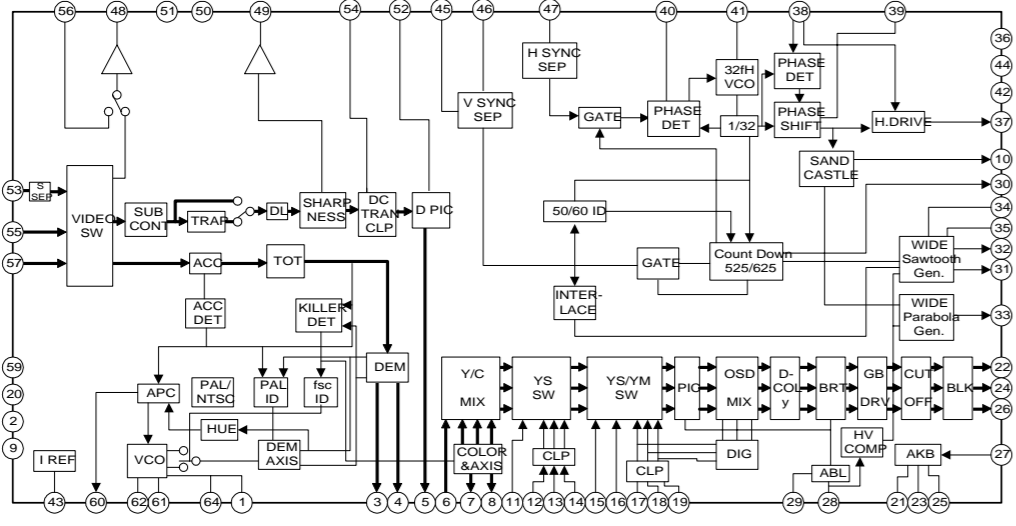
D BOARD IC6700 STV 9379



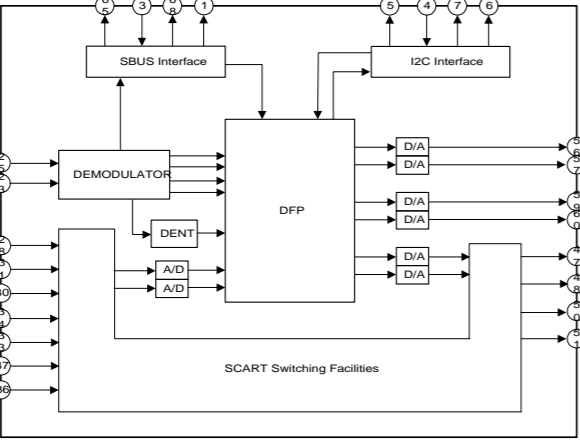
J BOARD IC8101 TDA2822D



E BOARD IC4301 CXA2100Q-TL

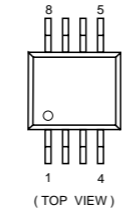


J BOARD IC8200 MSP3410D-QA-B4

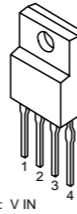


5-4 SEMICONDUCTORS

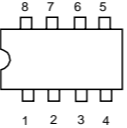
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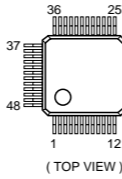
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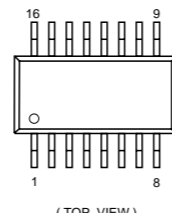
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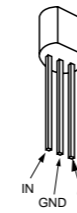
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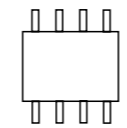
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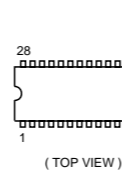
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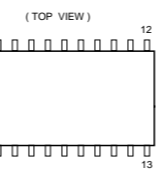
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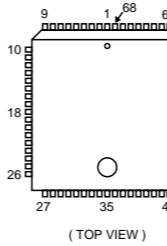
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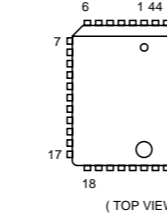
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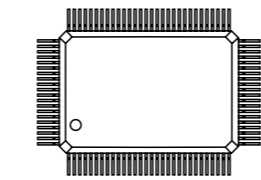
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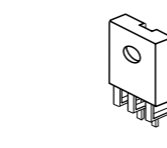
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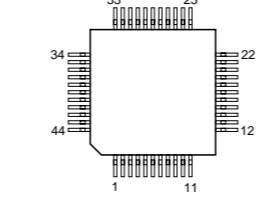
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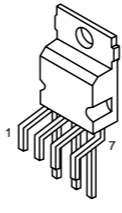
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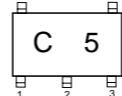
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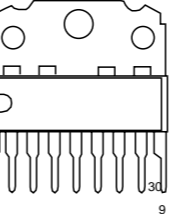
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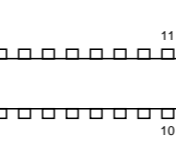
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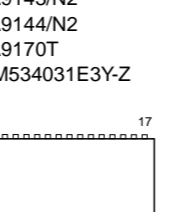
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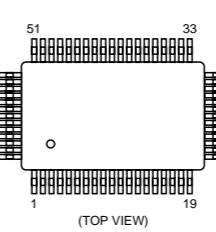
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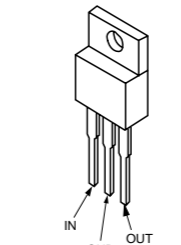
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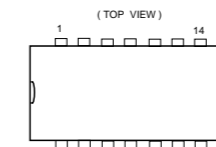
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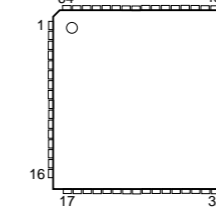
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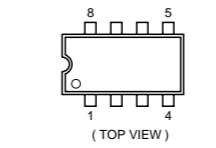
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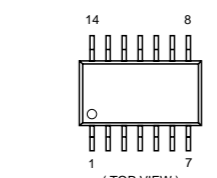
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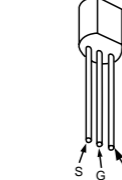
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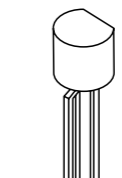
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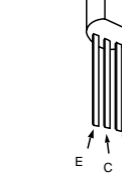
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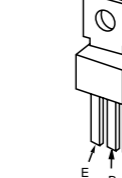
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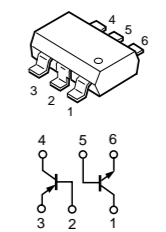
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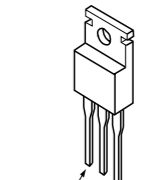
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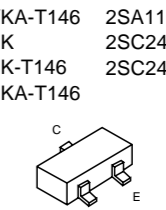
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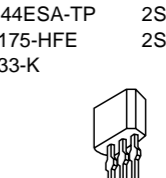
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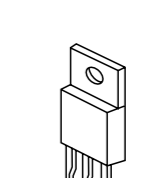
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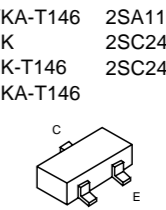
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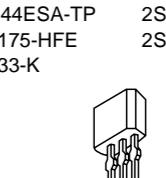
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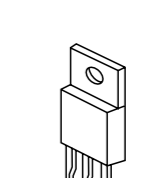
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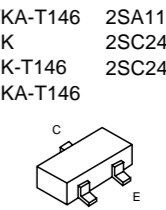
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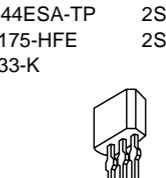
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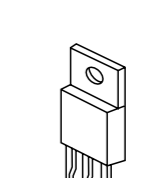
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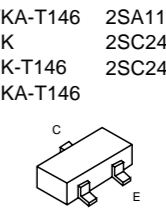
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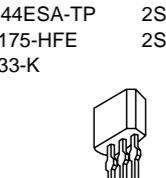
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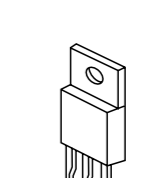
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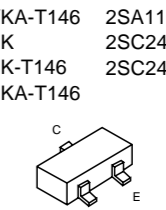
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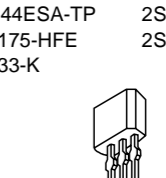
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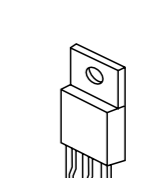
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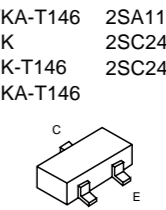
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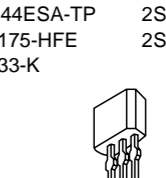
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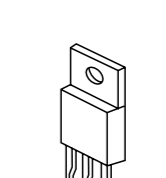
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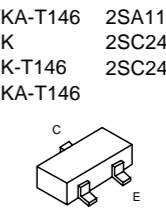
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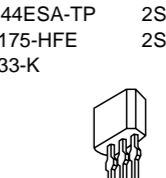
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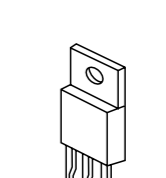
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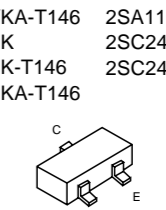
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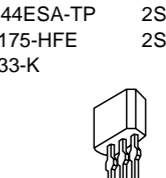
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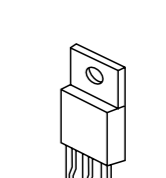
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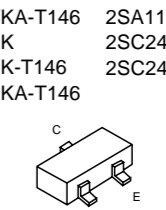
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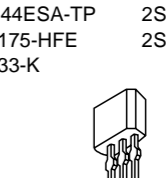
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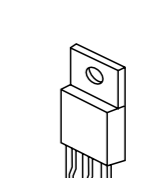
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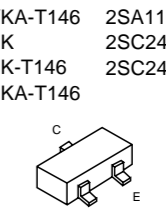
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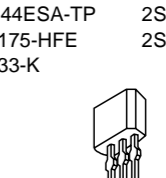
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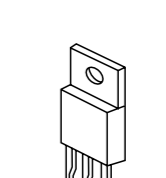
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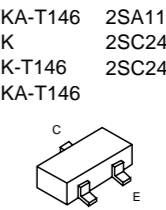
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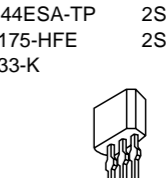
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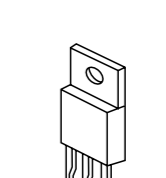
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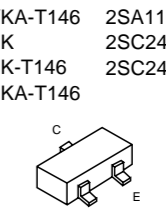
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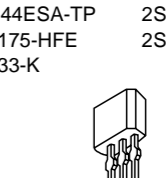
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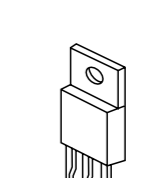
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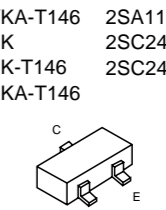
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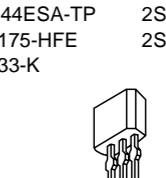
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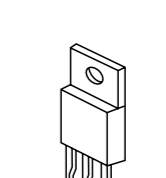
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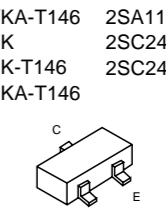
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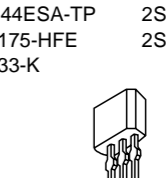
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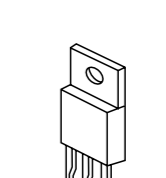
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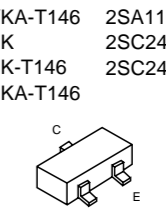
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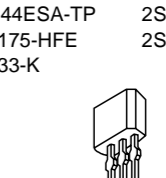
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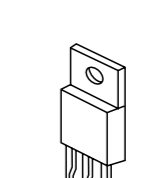
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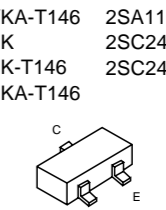
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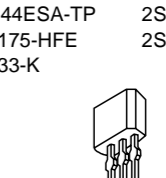
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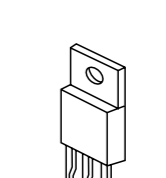
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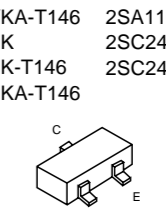
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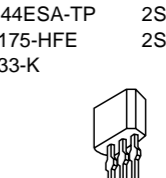
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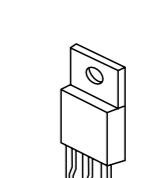
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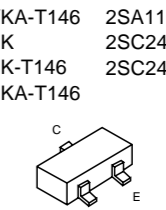
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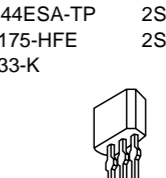
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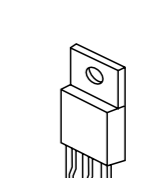
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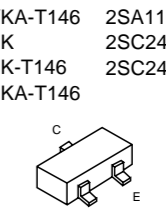
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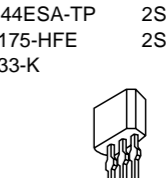
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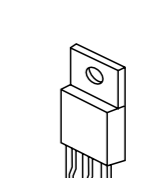
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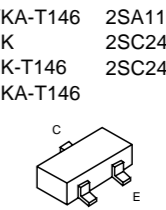
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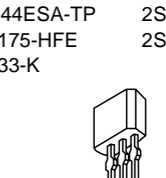
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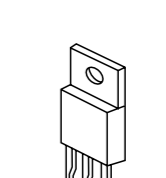
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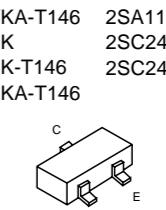
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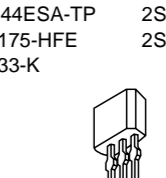
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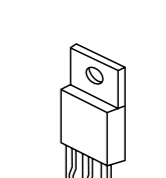
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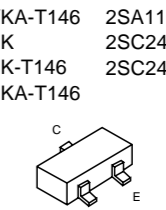
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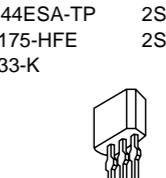
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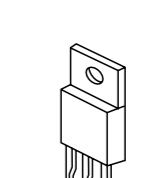
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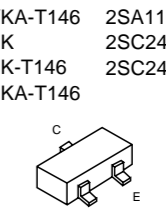
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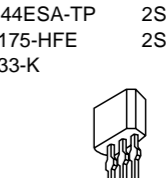
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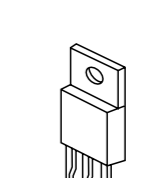
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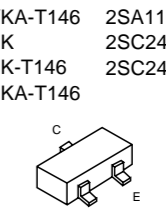
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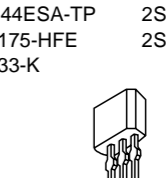
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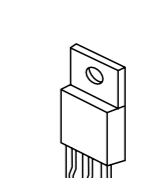
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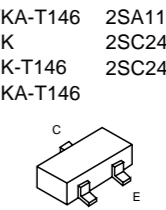
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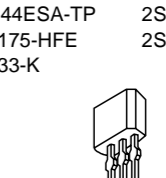
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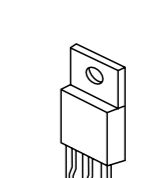
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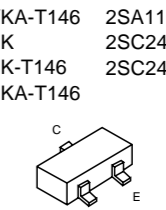
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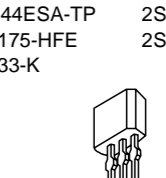
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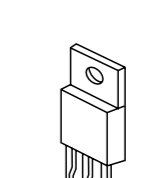
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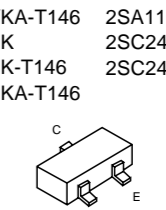
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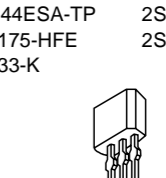
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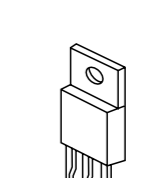
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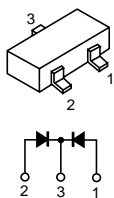


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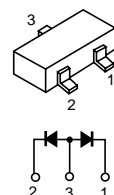


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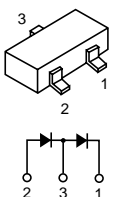
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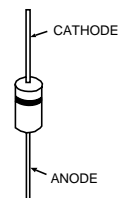
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DAP202K-T-146



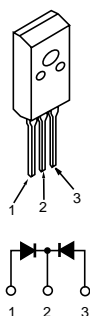
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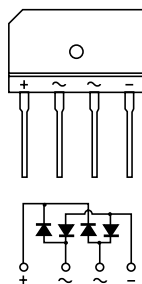
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D1NS4-TR
EGP20G
EL1Z
GP08D
GP08DPKG23
R2K-V1



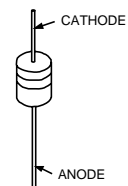
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D10SC6M



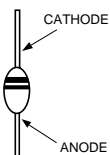
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D4SB60L-F
RBA-402L



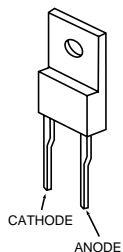
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ERA82-004TP1
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MTZJ-T-77-15
MTZJ-T-77-2.2A
MTZJ-T-77-3-3B
MTZJ-T-77-3.6A
MTZJ-T-77-4.7B
MTZJ-T-77-5.6B
MTZJ-T-77-6.8
MTZJ-T-77-7.5B



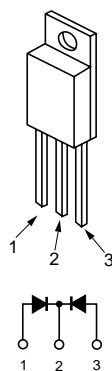
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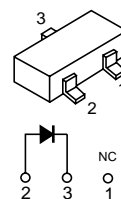
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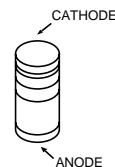
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ESAC39M-06CF38



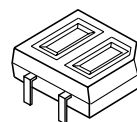
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MA3033L-TX
MA3056M-TX
MA3062M-TX
MA3030-H-(TX)



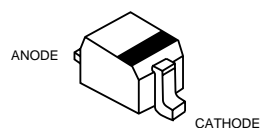
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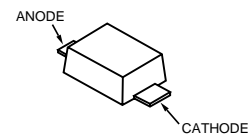
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UDZ-TE-17-4.7B
UDZ-TE-17-6.2B
UDZ-TE-17-6.8B
UDZ-TE-12B



UF4005PKG23



SECTION 6 EXPLODED VIEWS

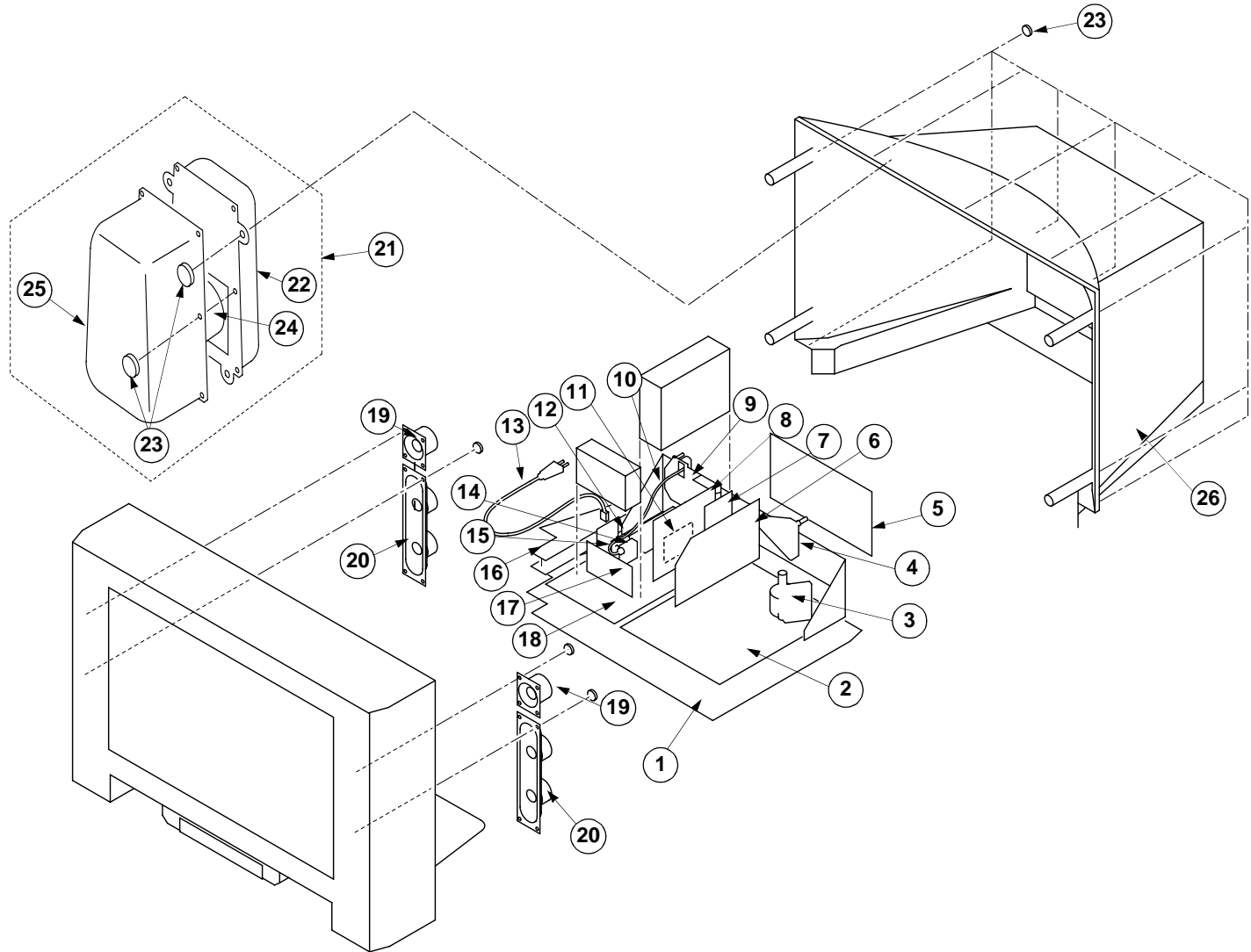
NOTE :

- Items with no part number and no description are not stocked because they are seldom required for routine service.
- The construction parts of an assembled part are indicated with a collation number in the remarks column.
- Items marked “*” are not stocked since they are seldom required for routine service. Some delay should be anticipated when ordering these items.

Note : Les composants identifiés par une trame et par une marque Δ sont d'une importance critique pour la sécurité. Ne les remplacer que par des pièces du numéro spécifié.

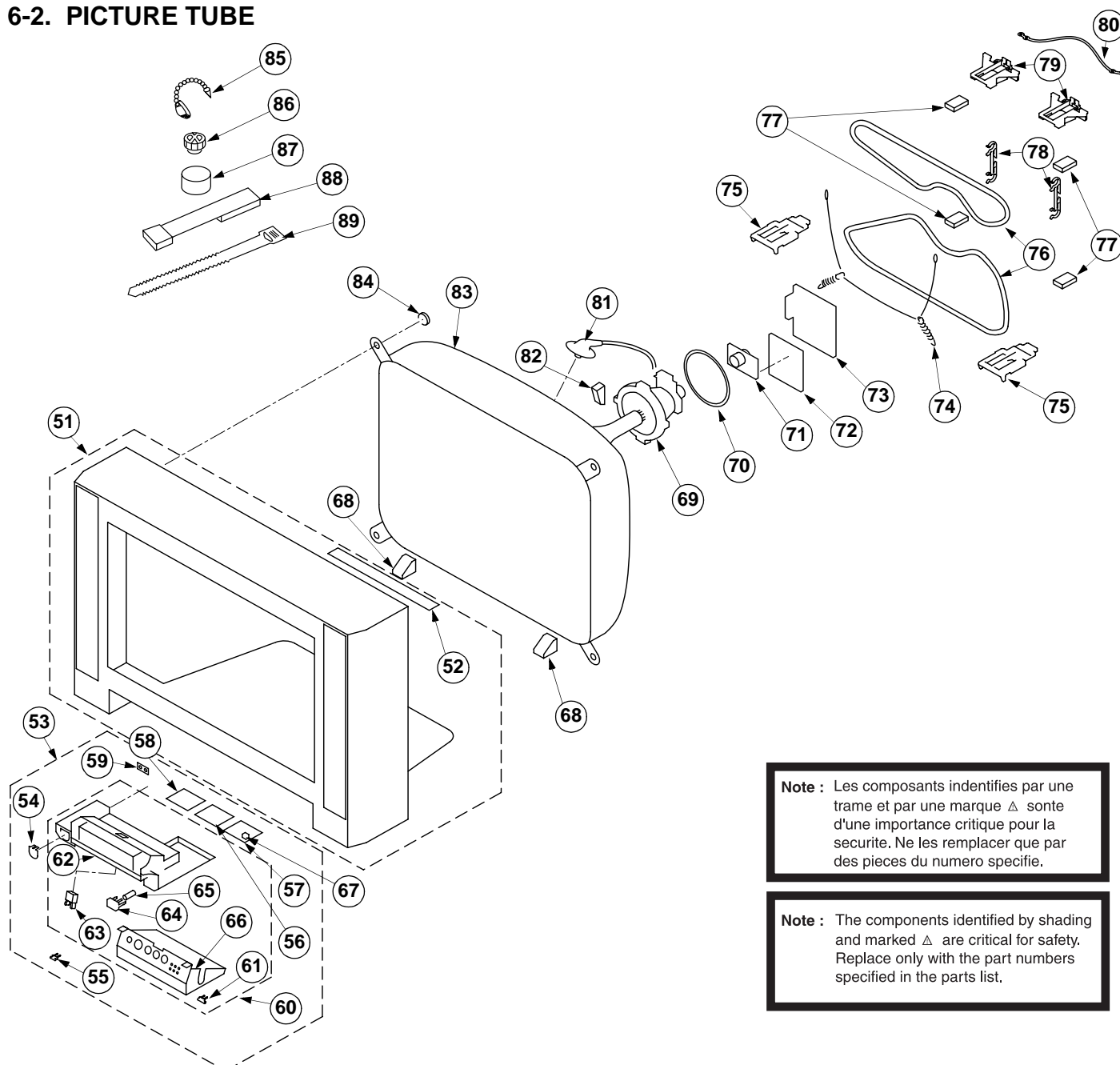
Note : The components identified by shading and marked Δ are critical for safety. Replace only with the part numbers specified in the parts list.

6-1. CHASSIS



REF. NO.	PART. NO	DESCRIPTION	REMARK	REF. NO.	PART. NO	DESCRIPTION	REMARK
1	*4-205-196-02	MAIN BRACKET (AE-5A)		15	1-693-338-21	SUB TUNER/VIF	
2	*A-1640-387-A	D BOARD, COMPLETE		16	*A-1624-082-A	F1 BOARD, COMPLETE	
3	Δ 1-453-332-11	TRANSFORMER ASSY, FLYBACK (NX-4601//J1B4)		17	*A-1634-054-A	M1 BOARD, COMPLETE	
4	*4-204-476-04	BRACKET, J1		18	*A-1631-107-A	A BOARD, COMPLETE	
5	*A-1651-136-A	J BOARD, COMPLETE		19	1-542-437-11	SPEAKER (2CM)	
6	*A-1640-388-A	D1 BOARD, COMPLETE		20	1-542-436-11	SPEAKER (24X4CM)	
7	*A-1640-386-A	E BOARD, COMPLETE		21	*A-1678-195-A	WOOFER ASSY (SP)	22-25
8	*A-1620-129-A	B3 BOARD, COMPLETE		22	4-204-775-21	BAFFLE, WOOFER	
9	*4-204-477-04	BRACKET, J2		23	4-039-358-01	SCREW (4X26), (+) BV TAPPING	
10	1-790-082-11	CABLE, RF		24	1-529-417-11	SPEAKER (8CM)	
11	*A-1620-131-A	BL BOARD, COMPLETE		25	4-204-776-21	BOX, WOOFER	
12	*1-555-716-51	CABLE, PIN		26	4-205-329-01	REAR COVER	
13	Δ 1-792-389-11	CORD, POWER					
14	1-693-338-21	MAIN TUNER/VIF					

6-2. PICTURE TUBE



Note : Les composants indentifiés par une trame et par une marque Δ sont d'une importance critique pour la securite. Ne les remplacer que par des pieces du numero specifie.

Note : The components identified by shading and marked Δ are critical for safety. Replace only with the part numbers specified in the parts list.

REF.NO.	PART.NO	DESCRIPTION	REMARK	REF.NO.	PART.NO	DESCRIPTION	REMARK
51	X-4200-623-1	BEZNET ASSY	52	64	4-205-462-11	BUTTON, POWER	
52	4-203-128-31	SHEET, BLOTING		65	4-202-964-11	SPRING	
53	A-1610-072-A	FRONT CONTROL ASSY	54-66	66	*4-205-461-11	BRACKET DOOR	
54	4-205-463-11	WINDOW, ORNAMENTAL		67	Δ 1-571-433-21	SWITCH, PUSH (AC POWER)	
55	4-202-555-01	SHAFT, DOOR		68	*4-203-098-01	SUPPORTER, CRT	
56	*A-1646-211-A	H6 BOARD, COMPLETE		69	Δ 8-451-500-41	DEFLECTION YOKE (Y34RSC2-M4)	
57	*A-1624-085-A	F3 BOARD, COMPLETE		70	1-419-363-11	COIL, NA ROTATION	
58	*A-1646-210-A	H5 BOARD, COMPLETE		71	Δ 8-453-007-31	NECK ASSY, (NA-324-M3)	
59	4-205-464-11	GUIDE, LIGHT		72	*A-1644-102-A	VM BOARD, COMPLETE	
60	*X-4200-632-1	BRACKET ASSY	61-66	73	*A-1638-131-A	C BOARD, COMPLETE	
61	3-022-410-01	DAMPER		74	4-369-318-31	SPRING, TENSION	
62	*4-205-460-11	BRACKET, CONTROL		75	4-067-221-02	CLIP, DGC	
63	4-047-464-01	CATCHER, PUSH		76	Δ 1-419-687-11	COIL, DEGAUSS	

REF.NO.	PART.NO	DESCRIPTION	REMARK	REF.NO.	PART.NO	DESCRIPTION	REMARK
77	*4-205-413-11	DGC CUSHION		84	4-204-225-01	PT-SCREW	
78	*4-054-297-01	HOLDER, DGC		85	4-308-870-00	CLIP, LEAD WIRE	
79	4-064-945-03	HOLDER, DGC		86	1-452-094-00	MAGNET, ROTATABLE DISK; 15MM	
80	4-067-455-01	BAND, DGC		87	1-452-032-00	MAGNET, DISK; 10MM	
81	△ 1-251-715-92	CAP ASSY, HIGH VOLTAGE		88	X-4387-214-1	PERMALLOY ASSY, CORRECTION	
82	4-203-658-01	SPACER, DY		89	3-701-007-00	BAND, BINDING	
83	△ 8-735-047-05	PICTURE TUBE (A80LPD80X)					

SECTION 7 ELECTRICAL PARTS LIST

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J BOARD COMPLETE Parts List :	145
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Note : Refer to the designated variant parts list when seeking a part indicated by an asterisk (*)

Parts indicated (#) on the Schematic Diagram are not used in this model and therefore do not appear in the Parts List.

F3**H5****H6****B3**

The components identified by shading and marked Δ are critical for safety
Replace only with the part number specified.

REF.NO.	PART.NO	DESCRIPTION	REMARK
*A-1624-085-A F3 Board, Complete			
< CONNECTOR >			
CN7700	Δ *1-695-292-11	PIN, CONNECTOR (POWER)	
CN7733	Δ *1-580-844-11	PIN, CONNECTOR (POWER)	
< SWITCH >			
S7751	Δ 1-571-433-21	SWITCH, PUSH (AC POWER)	
*A-1646-210-A H5 Board, Complete			
< CAPACITOR >			
C7900	1-101-810-00	CERAMIC 100PF	5.00% 500V
C7901	1-101-810-00	CERAMIC 100PF	5.00% 500V
C7925	1-137-372-11	MYLAR 0.022UF	5.00% 50V
C7926	1-137-372-11	MYLAR 0.022UF	5.00% 50V
< CONNECTOR >			
CN7102	*1-564-518-11	PLUG, CONNECTOR 3P	
CN7103	*1-564-526-11	PLUG, CONNECTOR 11P	
< SOCKET >			
J7900	1-794-442-11	TERMINAL BLOCK (LIGHT ANGLE),S	
J7925	1-785-448-11	JACK	
< COIL >			
L7925	1-414-183-41	INDUCTOR 10UH	
L7926	1-414-183-41	INDUCTOR 10UH	
< RESISTOR >			
R7100	1-249-425-11	CARBON 4.7K 5%	1/4W
R7101	1-249-429-11	CARBON 10K 5%	1/4W
R7102	1-249-421-11	CARBON 2.2K 5%	1/4W
R7103	1-249-429-11	CARBON 10K 5%	1/4W
R7104	1-249-425-11	CARBON 4.7K 5%	1/4W
R7105	1-249-421-11	CARBON 2.2K 5%	1/4W
R7900	1-535-143-61	LEAD, JUMPER (5.0MM)	
R7901	1-249-417-11	CARBON 1K 5%	1/4W
R7902	1-247-895-91	CARBON 470K 5%	1/4W
R7904	1-535-143-61	LEAD, JUMPER (5.0MM)	
R7903	1-247-895-91	CARBON 470K 5%	1/4W
R7905	1-249-417-11	CARBON 1K 5%	1/4W
R7906	1-535-143-11	LEAD, JUMPER (5.0MM)	
< SWITCH >			
S7100	1-771-947-11	SWITCH, TACTILE	

REF.NO.	PART.NO	DESCRIPTION	REMARK
S7101	1-771-947-11	SWITCH, TACTILE	
S7102	1-771-947-11	SWITCH, TACTILE	
*A-1646-211-A H6 Board, Complete			
< CAPACITOR >			
C7150	1-126-969-11	ELECT 220UF	20.00% 50V
< CONNECTOR >			
CN7100	*1-564-519-11	PLUG, CONNECTOR 4P	
< DIODE >			
D7150	8-719-080-92	DIODE SLA-570LT3F	
< IC >			
IC7150	8-749-014-59	IC TSOP1740KS1	
< RESISTOR >			
R7150	1-249-409-11	CARBON 220 5%	1/4W
R7151	1-249-411-11	CARBON 330 5%	1/4W
*A-1620-129-A B3 Board, Complete			
< CAPACITOR >			
C302	1-104-601-11	ELECT CHIP 10UF	20.00% 10V
C305	1-163-038-91	CERAMIC CHIP 0.1UF	25V
C306	1-164-004-11	CERAMIC CHIP 0.1UF	10.00% 25V
C309	1-164-004-11	CERAMIC CHIP 0.1UF	10.00% 25V
C310	1-163-038-91	CERAMIC CHIP 0.1UF	25V
C312	1-163-275-11	CERAMIC CHIP 0.001UF	5.00% 50V
C313	1-164-004-11	CERAMIC CHIP 0.1UF	10.00% 25V
C314	1-164-004-11	CERAMIC CHIP 0.1UF	10.00% 25V
C315	1-163-251-11	CERAMIC CHIP 100PF	5.00% 50V
C316	1-163-038-91	CERAMIC CHIP 0.1UF	25V
C317	1-163-021-91	CERAMIC CHIP 0.01UF	10.00% 50V
C318	1-124-779-00	ELECT CHIP 10UF	20.00% 16V
C319	1-124-779-00	ELECT CHIP 10UF	20.00% 16V
C320	1-163-021-91	CERAMIC CHIP 0.01UF	10.00% 50V
C321	1-163-021-91	CERAMIC CHIP 0.01UF	10.00% 50V
C323	1-163-021-91	CERAMIC CHIP 0.01UF	10.00% 50V
C324	1-163-021-91	CERAMIC CHIP 0.01UF	10.00% 50V
C325	1-163-021-91	CERAMIC CHIP 0.01UF	10.00% 50V
C327	1-164-004-11	CERAMIC CHIP 0.1UF	10.00% 25V
C330	1-164-004-11	CERAMIC CHIP 0.1UF	10.00% 25V
C331	1-164-004-11	CERAMIC CHIP 0.1UF	10.00% 25V
C332	1-163-021-91	CERAMIC CHIP 0.01UF	10.00% 50V

REF. NO.	PART.NO	DESCRIPTION	REMARK	REF. NO.	PART.NO	DESCRIPTION	REMARK
C333	1-216-295-91	SHORT 0		C538	1-163-021-91	CERAMIC CHIP 0.01UF	10.00% 50V
C337	1-164-004-11	CERAMIC CHIP 0.1UF	10.00% 25V	C539	1-126-204-11	ELECT CHIP 47UF	20.00% 16V
C338	1-164-004-11	CERAMIC CHIP 0.1UF	10.00% 25V	C540	1-163-021-91	CERAMIC CHIP 0.01UF	10.00% 50V
C339	1-164-004-11	CERAMIC CHIP 0.1UF	10.00% 25V	C542	1-126-204-11	ELECT CHIP 47UF	20.00% 16V
C340	1-163-038-91	CERAMIC CHIP 0.1UF	25V	C543	1-163-021-91	CERAMIC CHIP 0.01UF	10.00% 50V
C341	1-163-021-91	CERAMIC CHIP 0.01UF	10.00% 50V	C545	1-126-396-11	ELECT CHIP 47UF	20.00% 16V
C346	1-163-038-91	CERAMIC CHIP 0.1UF	25V	C546	1-163-021-91	CERAMIC CHIP 0.01UF	10.00% 50V
C347	1-163-021-91	CERAMIC CHIP 0.01UF	10.00% 50V	C548	1-163-021-91	CERAMIC CHIP 0.01UF	10.00% 50V
C349	1-163-021-91	CERAMIC CHIP 0.01UF	10.00% 50V	C549	1-126-204-11	ELECT CHIP 47UF	20.00% 16V
C350	1-126-204-11	ELECT CHIP 47UF	20.00% 16V	C550	1-163-021-91	CERAMIC CHIP 0.01UF	10.00% 50V
C353	1-126-204-11	ELECT CHIP 47UF	20.00% 16V	C551	1-163-021-91	CERAMIC CHIP 0.01UF	10.00% 50V
C354	1-104-601-11	ELECT CHIP 10UF	20.00% 10V	C554	1-163-021-91	CERAMIC CHIP 0.01UF	10.00% 50V
C355	1-104-601-11	ELECT CHIP 10UF	20.00% 10V	C555	1-163-038-91	CERAMIC CHIP 0.1UF	25V
C357	1-163-021-91	CERAMIC CHIP 0.01UF	10.00% 50V	C556	1-126-392-11	ELECT CHIP 100UF	20.00% 6.3V
C358	1-163-021-91	CERAMIC CHIP 0.01UF	10.00% 50V	C557	1-163-021-91	CERAMIC CHIP 0.01UF	10.00% 50V
C359	1-163-021-91	CERAMIC CHIP 0.01UF	10.00% 50V	C559	1-163-021-91	CERAMIC CHIP 0.01UF	10.00% 50V
C360	1-163-227-11	CERAMIC CHIP 10PF	0.50PF 50V	C560	1-163-021-91	CERAMIC CHIP 0.01UF	10.00% 50V
C361	1-124-779-00	ELECT CHIP 10UF	20.00% 16V	C601	1-124-779-00	ELECT CHIP 10UF	20.00% 16V
C362	1-163-021-91	CERAMIC CHIP 0.01UF	10.00% 50V	C602	1-126-394-11	ELECT CHIP 10UF	20.00% 16V
C363	1-163-017-00	CERAMIC CHIP 0.0047UF	10.00% 50V	C603	1-163-021-91	CERAMIC CHIP 0.01UF	10.00% 50V
C501	1-163-021-91	CERAMIC CHIP 0.01UF	10.00% 50V	C604	1-163-021-91	CERAMIC CHIP 0.01UF	10.00% 50V
C502	1-124-779-00	ELECT CHIP 10UF	20.00% 16V	C605	1-163-021-91	CERAMIC CHIP 0.01UF	10.00% 50V
C503	1-124-779-00	ELECT CHIP 10UF	20.00% 16V	C606	1-163-021-91	CERAMIC CHIP 0.01UF	10.00% 50V
C505	1-124-779-00	ELECT CHIP 10UF	20.00% 16V	C607	1-163-021-91	CERAMIC CHIP 0.01UF	10.00% 50V
C507	1-124-779-00	ELECT CHIP 10UF	20.00% 16V	C608	1-163-021-91	CERAMIC CHIP 0.01UF	10.00% 50V
C509	1-163-021-91	CERAMIC CHIP 0.01UF	10.00% 50V	C609	1-163-021-91	CERAMIC CHIP 0.01UF	10.00% 50V
C510	1-163-021-91	CERAMIC CHIP 0.01UF	10.00% 50V	C610	1-163-021-91	CERAMIC CHIP 0.01UF	10.00% 50V
C511	1-163-038-91	CERAMIC CHIP 0.1UF	25V	C611	1-163-021-91	CERAMIC CHIP 0.01UF	10.00% 50V
C512	1-163-021-91	CERAMIC CHIP 0.01UF	10.00% 50V	C612	1-163-021-91	CERAMIC CHIP 0.01UF	10.00% 50V
C514	1-164-004-11	CERAMIC CHIP 0.1UF	10.00% 25V	C613	1-163-021-91	CERAMIC CHIP 0.01UF	10.00% 50V
C515	1-163-021-91	CERAMIC CHIP 0.01UF	10.00% 50V	C614	1-163-021-91	CERAMIC CHIP 0.01UF	10.00% 50V
C516	1-164-004-11	CERAMIC CHIP 0.1UF	10.00% 25V	C615	1-163-021-91	CERAMIC CHIP 0.01UF	10.00% 50V
C517	1-163-021-91	CERAMIC CHIP 0.01UF	10.00% 50V	C616	1-126-396-11	ELECT CHIP 47UF	20.00% 16V
C518	1-126-204-11	ELECT CHIP 47UF	20.00% 16V	C617	1-163-038-91	CERAMIC CHIP 0.1UF	25V
C519	1-163-038-91	CERAMIC CHIP 0.1UF	25V	C618	1-163-038-91	CERAMIC CHIP 0.1UF	25V
C520	1-163-038-91	CERAMIC CHIP 0.1UF	25V	C619	1-163-038-91	CERAMIC CHIP 0.1UF	25V
C521	1-163-021-91	CERAMIC CHIP 0.01UF	10.00% 50V	C620	1-163-021-91	CERAMIC CHIP 0.01UF	10.00% 50V
C522	1-163-038-91	CERAMIC CHIP 0.1UF	25V	C621	1-163-021-91	CERAMIC CHIP 0.01UF	10.00% 50V
C523	1-163-021-91	CERAMIC CHIP 0.01UF	10.00% 50V	C622	1-163-021-91	CERAMIC CHIP 0.01UF	10.00% 50V
C524	1-124-779-00	ELECT CHIP 10UF	20.00% 16V	C623	1-163-021-91	CERAMIC CHIP 0.01UF	10.00% 50V
C525	1-124-779-00	ELECT CHIP 10UF	20.00% 16V	C624	1-163-021-91	CERAMIC CHIP 0.01UF	10.00% 50V
C526	1-163-021-91	CERAMIC CHIP 0.01UF	10.00% 50V	C625	1-163-021-91	CERAMIC CHIP 0.01UF	10.00% 50V
C527	1-164-004-11	CERAMIC CHIP 0.1UF	10.00% 25V	C626	1-163-021-91	CERAMIC CHIP 0.01UF	10.00% 50V
C528	1-163-021-91	CERAMIC CHIP 0.01UF	10.00% 50V	C627	1-163-021-91	CERAMIC CHIP 0.01UF	10.00% 50V
C530	1-216-295-91	SHORT 0		C628	1-163-021-91	CERAMIC CHIP 0.01UF	10.00% 50V
C532	1-216-295-91	SHORT 0		C629	1-163-021-91	CERAMIC CHIP 0.01UF	10.00% 50V
C534	1-216-295-91	SHORT 0		C630	1-163-021-91	CERAMIC CHIP 0.01UF	10.00% 50V

REF.NO.	PART.NO	DESCRIPTION	REMARK
C631	1-163-021-91	CERAMIC CHIP 0.01UF	10.00% 50V
C632	1-126-206-11	ELECT CHIP 100UF	20.00% 6.3V
C633	1-163-021-91	CERAMIC CHIP 0.01UF	10.00% 50V
C634	1-163-021-91	CERAMIC CHIP 0.01UF	10.00% 50V
C635	1-163-021-91	CERAMIC CHIP 0.01UF	10.00% 50V
C636	1-163-021-91	CERAMIC CHIP 0.01UF	10.00% 50V
C637	1-163-021-91	CERAMIC CHIP 0.01UF	10.00% 50V
C638	1-163-021-91	CERAMIC CHIP 0.01UF	10.00% 50V
C639	1-163-021-91	CERAMIC CHIP 0.01UF	10.00% 50V
C640	1-163-021-91	CERAMIC CHIP 0.01UF	10.00% 50V
C642	1-163-021-91	CERAMIC CHIP 0.01UF	10.00% 50V
C643	1-163-021-91	CERAMIC CHIP 0.01UF	10.00% 50V
C644	1-126-603-11	ELECT CHIP 4.7UF	20.00% 35V
C645	1-163-021-91	CERAMIC CHIP 0.01UF	10.00% 50V
C646	1-163-243-11	CERAMIC CHIP 47PF	5.00% 50V
C801	1-124-779-00	ELECT CHIP 10UF	20.00% 16V
C802	1-163-021-91	CERAMIC CHIP 0.01UF	10.00% 50V
C803	1-124-779-00	ELECT CHIP 10UF	20.00% 16V
C804	1-124-779-00	ELECT CHIP 10UF	20.00% 16V
C806	1-163-021-91	CERAMIC CHIP 0.01UF	10.00% 50V
C807	1-124-779-00	ELECT CHIP 10UF	20.00% 16V
C808	1-163-021-91	CERAMIC CHIP 0.01UF	10.00% 50V
C809	1-163-021-91	CERAMIC CHIP 0.01UF	10.00% 50V
C810	1-163-021-91	CERAMIC CHIP 0.01UF	10.00% 50V
C811	1-163-021-91	CERAMIC CHIP 0.01UF	10.00% 50V
C812	1-163-021-91	CERAMIC CHIP 0.01UF	10.00% 50V
C813	1-163-021-91	CERAMIC CHIP 0.01UF	10.00% 50V
C814	1-163-021-91	CERAMIC CHIP 0.01UF	10.00% 50V
C815	1-163-021-91	CERAMIC CHIP 0.01UF	10.00% 50V
C816	1-163-021-91	CERAMIC CHIP 0.01UF	10.00% 50V
C817	1-163-229-11	CERAMIC CHIP 12PF	5.00% 50V
C818	1-163-229-11	CERAMIC CHIP 12PF	5.00% 50V
C819	1-163-021-91	CERAMIC CHIP 0.01UF	10.00% 50V
C820	1-163-021-91	CERAMIC CHIP 0.01UF	10.00% 50V
C821	1-163-021-91	CERAMIC CHIP 0.01UF	10.00% 50V
C822	1-163-021-91	CERAMIC CHIP 0.01UF	10.00% 50V
C823	1-163-021-91	CERAMIC CHIP 0.01UF	10.00% 50V
C824	1-163-021-91	CERAMIC CHIP 0.01UF	10.00% 50V
C825	1-163-021-91	CERAMIC CHIP 0.01UF	10.00% 50V
C827	1-163-021-91	CERAMIC CHIP 0.01UF	10.00% 50V
C829	1-163-021-91	CERAMIC CHIP 0.01UF	10.00% 50V
C834	1-163-038-91	CERAMIC CHIP 0.1UF	25V
C835	1-163-038-91	CERAMIC CHIP 0.1UF	25V
C837	1-163-021-91	CERAMIC CHIP 0.01UF	10.00% 50V
C839	1-163-021-91	CERAMIC CHIP 0.01UF	10.00% 50V
C840	1-126-206-11	ELECT CHIP 100UF	20.00% 6.3V
C841	1-163-021-91	CERAMIC CHIP 0.01UF	10.00% 50V

REF.NO.	PART.NO	DESCRIPTION	REMARK
C842	1-163-021-91	CERAMIC CHIP 0.01UF	10.00% 50V
C843	1-163-021-91	CERAMIC CHIP 0.01UF	10.00% 50V
C844	1-163-038-91	CERAMIC CHIP 0.1UF	25V
C848	1-163-017-00	CERAMIC CHIP 0.0047UF	10.00% 50V
C849	1-163-021-91	CERAMIC CHIP 0.01UF	10.00% 50V
C850	1-163-021-91	CERAMIC CHIP 0.01UF	10.00% 50V
C851	1-163-021-91	CERAMIC CHIP 0.01UF	10.00% 50V
C852	1-163-021-91	CERAMIC CHIP 0.01UF	10.00% 50V
C901	1-163-038-91	CERAMIC CHIP 0.1UF	25V
C902	1-163-038-91	CERAMIC CHIP 0.1UF	25V
C903	1-163-021-91	CERAMIC CHIP 0.01UF	10.00% 50V
C904	1-124-779-00	ELECT CHIP 10UF	20.00% 16V
C905	1-109-982-11	CERAMIC CHIP 1UF	10.00% 10V
C906	1-124-779-00	ELECT CHIP 10UF	20.00% 16V
C907	1-163-021-91	CERAMIC CHIP 0.01UF	10.00% 50V
< CONNECTOR >			
CN502	1-695-302-11	CONNECTOR, BOARD TO BOARD 50P	
< DIODE >			
D301	8-719-041-97	DIODE MA113-(TX)	
D302	8-719-041-97	DIODE MA113-(TX)	
D501	8-719-422-12	DIODE UDZ-TE-17-3.9B	
< FERRITE BEAD >			
FB501	1-414-235-11	INDUCTOR CHIP 0UH	
FB502	1-414-235-11	INDUCTOR CHIP 0UH	
FB503	1-414-235-11	INDUCTOR CHIP 0UH	
FB504	1-414-235-11	INDUCTOR CHIP 0UH	
FB601	1-414-766-21	INDUCTOR CHIP 0UH	
FB801	1-414-766-21	INDUCTOR CHIP 0UH	
FB802	1-414-766-21	INDUCTOR CHIP 0UH	
< FILTER >			
FL304	1-234-177-21	FILTER, CHIP EMI	
FL305	1-234-177-21	FILTER, CHIP EMI	
FL306	1-239-558-11	FILTER, CHIP EMI	
FL501	1-233-877-11	FILTER, LOW PASS	
FL502	1-233-504-21	FILTER, LOW PASS	
FL503	1-233-504-21	FILTER, LOW PASS	
FL504	1-234-177-21	FILTER, CHIP EMI	
FL505	1-234-177-21	FILTER, CHIP EMI	
FL506	1-234-177-21	FILTER, CHIP EMI	
FL508	1-234-177-21	FILTER, CHIP EMI	
FL509	1-234-177-21	FILTER, CHIP EMI	
FL510	1-234-177-21	FILTER, CHIP EMI	
FL511	1-234-177-21	FILTER, CHIP EMI	

REF. NO.	PART.NO	DESCRIPTION	REMARK	REF. NO.	PART.NO	DESCRIPTION	REMARK
FL512	1-234-177-21	FILTER, CHIP EMI		L502	1-412-026-11	INDUCTOR CHIP 1UH	
FL601	1-234-177-21	FILTER, CHIP EMI		L503	1-412-026-11	INDUCTOR CHIP 1UH	
FL602	1-234-177-21	FILTER, CHIP EMI		L504	1-412-026-11	INDUCTOR CHIP 1UH	
FL603	1-234-177-21	FILTER, CHIP EMI		L505	1-412-029-11	INDUCTOR CHIP 10UH	
FL606	1-239-560-11	FILTER, CHIP EMI		L506	1-412-026-11	INDUCTOR CHIP 1UH	
FL801	1-234-177-21	FILTER, CHIP EMI		L508	1-412-029-11	INDUCTOR CHIP 10UH	
FL802	1-234-177-21	FILTER, CHIP EMI		L509	1-412-029-11	INDUCTOR CHIP 10UH	
FL803	1-234-177-21	FILTER, CHIP EMI		L511	1-412-026-11	INDUCTOR CHIP 1UH	
FL804	1-234-177-21	FILTER, CHIP EMI		L512	1-412-026-11	INDUCTOR CHIP 1UH	
FL805	1-234-177-21	FILTER, CHIP EMI		L604	1-412-029-11	INDUCTOR CHIP 10UH	
FL806	1-234-177-21	FILTER, CHIP EMI		L605	1-412-029-11	INDUCTOR CHIP 10UH	
FL807	1-234-177-21	FILTER, CHIP EMI					
FL808	1-234-177-21	FILTER, CHIP EMI				< TRANSISTOR >	
FL810	1-234-177-21	FILTER, CHIP EMI		Q301	8-729-120-28	TRANSISTOR 2SC2412K-T-146-R	
FL901	1-234-509-21	FILTER, LOW PASS		Q302	8-729-120-28	TRANSISTOR 2SC2412K-T-146-R	
FL902	1-233-876-11	FILTER, LOW PASS		Q303	8-729-120-28	TRANSISTOR 2SC2412K-T-146-R	
FL903	1-233-876-11	FILTER, LOW PASS		Q501	8-729-216-22	TRANSISTOR 2SA1037K-T-146-R	
FL904	1-234-177-21	FILTER, CHIP EMI		Q502	8-729-120-28	TRANSISTOR 2SC2412K-T-146-S	
FL905	1-234-177-21	FILTER, CHIP EMI		Q503	8-729-120-28	TRANSISTOR 2SC2412K-T-146-S	
		< IC >		Q510	8-729-120-28	TRANSISTOR 2SC2412K-T-146 R	
IC302	8-752-388-98	IC CXD2303AQ-TL		Q511	8-729-120-28	TRANSISTOR 2SC2412K-T-146 R	
IC303	8-752-088-27	IC CXA3266Q-T6		Q512	8-729-120-28	TRANSISTOR 2SC2412K-T-146 R	
IC304	8-759-285-51	IC PC74HC00D-T		Q516	8-729-120-28	TRANSISTOR 2SC2412K-T-146 R	
IC305	8-759-232-74	IC SN74HC163ANSR		Q517	8-729-120-28	TRANSISTOR 2SC2412K-T-146 R	
IC306	8-759-232-74	IC SN74HC163ANSR		Q518	8-729-216-22	TRANSISTOR 2SA1037K-T-146-R	
IC307	8-759-084-79	IC TC7S14F(TE85R)		Q519	1-801-806-11	TRANSISTOR DTC144EKA-T146	
IC308	8-759-084-79	IC TC7S14F(TE85R)		Q520	1-801-806-11	TRANSISTOR DTC144EKA-T146	
IC309	8-759-640-16	IC TC7SET04F(TE85R)		Q521	8-729-120-28	TRANSISTOR 2SC2412K-T-146-R	
IC310	8-759-285-52	IC PC74HC02D-T		Q522	8-729-120-28	TRANSISTOR 2SC2412K-T-146-R	
IC311	8-759-708-05	IC TA78L005AP-TPE6		Q523	8-729-120-28	TRANSISTOR 2SC2412K-T-146-R	
IC501	8-759-447-90	IC TLC5733AIPM		Q524	8-729-120-28	TRANSISTOR 2SC2412K-T-146-R	
IC504	8-759-430-32	IC TLC2933IPWR		Q601	8-729-120-28	TRANSISTOR 2SC2412K-T-146-R	
IC505	8-759-640-16	IC TC7SET04F(TE85R)		Q602	8-729-120-28	TRANSISTOR 2SC2412K-T-146-R	
IC506	8-759-640-16	IC TC7SET04F(TE85R)		Q901	8-729-216-22	TRANSISTOR 2SA1037K-T-146-R	
IC601	8-752-398-47	IC CXD2090Q		Q902	8-729-216-22	TRANSISTOR 2SA1037K-T-146-R	
IC602	8-759-656-23	IC MB81F161622C-80FN		Q903	8-729-216-22	TRANSISTOR 2SA1037K-T-146-R	
IC603	8-759-295-09	IC TLC2932IPW-E20		Q904	8-729-028-28	TRANSISTOR 2SK2036(TE85L)	
IC604	8-752-072-94	IC CXA1875AM-T4		Q905	8-729-028-28	TRANSISTOR 2SK2036(TE85L)	
IC801	8-759-672-57	IC CXD9509AQ		Q907	8-729-216-22	TRANSISTOR 2SA1037K-T-146-R	
IC802	8-759-595-53	IC MB81F643242B-10FN		Q908	8-729-216-22	TRANSISTOR 2SA1037K-T-146-R	
IC901	8-752-369-84	IC CXD2309Q-T6		Q909	8-729-216-22	TRANSISTOR 2SA1037K-T-146-R	
		< COIL >				< RESISTOR >	
L302	1-412-029-11	INDUCTOR CHIP 10UH		R302	1-216-013-00	RES-CHIP 33 5% 1/10W	
L303	1-412-029-11	INDUCTOR CHIP 10UH		R303	1-208-798-81	RES-CHIP 4.7K 0.5% 1/10W	
L501	1-412-026-11	INDUCTOR CHIP 1UH		R305	1-216-049-91	RES-CHIP 1K 5% 1/10W	
				R306	1-216-658-11	METAL CHIP 2K 0.5% 1/10W	

REF.NO.	PART.NO	DESCRIPTION	REMARK			REF.NO.	PART.NO	DESCRIPTION	REMARK		
R309	1-216-009-91	RES-CHIP	22	5%	1/10W	R521	1-216-295-91	SHORT	0		
R310	1-216-009-91	RES-CHIP	22	5%	1/10W	R523	1-216-645-11	METAL CHIP	560	0.5%	1/10W
R311	1-216-009-91	RES-CHIP	22	5%	1/10W	R524	1-216-295-91	SHORT	0		
R313	1-216-009-91	RES-CHIP	22	5%	1/10W	R526	1-216-645-11	METAL CHIP	560	0.5%	1/10W
R316	1-216-009-91	RES-CHIP	22	5%	1/10W	R528	1-216-037-00	RES-CHIP	330	5%	1/10W
R318	1-216-009-91	RES-CHIP	22	5%	1/10W	R529	1-216-669-11	METAL CHIP	5.6K	0.5%	1/10W
R319	1-216-049-91	RES-CHIP	1K	5%	1/10W	R530	1-216-669-11	METAL CHIP	5.6K	0.5%	1/10W
R321	1-216-009-91	RES-CHIP	22	5%	1/10W	R531	1-216-031-00	RES-CHIP	180	5%	1/10W
R323	1-216-009-91	RES-CHIP	22	5%	1/10W	R532	1-216-669-11	METAL CHIP	5.6K	0.5%	1/10W
R324	1-216-009-91	RES-CHIP	22	5%	1/10W	R533	1-216-031-00	RES-CHIP	180	5%	1/10W
R325	1-216-073-00	RES-CHIP	10K	5%	1/10W	R536	1-216-057-00	RES-CHIP	2.2K	5%	1/10W
R328	1-216-025-91	RES-CHIP	100	5%	1/10W	R537	1-208-790-91	RES-CHIP	2.2K	0.5%	1/10W
R330	1-216-037-00	RES-CHIP	330	5%	1/10W	R540	1-216-049-91	RES-CHIP	1K	5%	1/10W
R331	1-216-033-00	RES-CHIP	220	5%	1/10W	R548	1-216-619-11	METAL CHIP	47	0.5%	1/10W
R332	1-216-037-00	RES-CHIP	330	5%	1/10W	R549	1-216-619-11	METAL CHIP	47	0.5%	1/10W
R333	1-216-295-91	SHORT	0			R550	1-216-625-11	METAL CHIP	82	0.5%	1/10W
R335	1-216-013-00	RES-CHIP	33	5%	1/10W	R551	1-216-625-11	METAL CHIP	82	0.5%	1/10W
R336	1-216-013-00	RES-CHIP	33	5%	1/10W	R552	1-216-619-11	METAL CHIP	47	0.5%	1/10W
R337	1-216-097-91	RES-CHIP	100K	5%	1/10W	R553	1-216-295-91	SHORT	0		
R338	1-216-295-91	SHORT	0			R554	1-216-619-11	METAL CHIP	47	0.5%	1/10W
R339	1-216-295-91	SHORT	0			R555	1-216-077-91	RES-CHIP	15K	5%	1/10W
R340	1-216-073-00	RES-CHIP	10K	5%	1/10W	R557	1-216-049-91	RES-CHIP	1K	5%	1/10W
R341	1-216-295-91	SHORT	0			R558	1-216-025-91	RES-CHIP	100	5%	1/10W
R342	1-216-295-91	SHORT	0			R559	1-216-077-91	RES-CHIP	15K	5%	1/10W
R344	1-216-295-91	SHORT	0			R560	1-216-619-11	METAL CHIP	47	0.5%	1/10W
R345	1-216-073-00	RES-CHIP	10K	5%	1/10W	R561	1-216-043-91	RES-CHIP	560	5%	1/10W
R347	1-216-295-91	SHORT	0			R562	1-216-043-91	RES-CHIP	560	5%	1/10W
R350	1-216-295-91	SHORT	0			R563	1-216-043-91	RES-CHIP	560	5%	1/10W
R501	1-216-025-91	RES-CHIP	100	5%	1/10W	R571	1-216-295-91	SHORT	0		
R502	1-216-025-91	RES-CHIP	100	5%	1/10W	R572	1-216-619-11	METAL CHIP	47	0.5%	1/10W
R503	1-216-295-91	SHORT	0			R575	1-216-625-11	METAL CHIP	82	0.5%	1/10W
R504	1-216-295-91	SHORT	0			R576	1-216-625-11	METAL CHIP	82	0.5%	1/10W
R505	1-216-295-91	SHORT	0			R577	1-216-619-11	METAL CHIP	47	0.5%	1/10W
R506	1-216-025-91	RES-CHIP	100	5%	1/10W	R578	1-216-619-11	METAL CHIP	47	0.5%	1/10W
R507	1-216-025-91	RES-CHIP	100	5%	1/10W	R579	1-216-077-91	RES-CHIP	15K	5%	1/10W
R508	1-216-025-91	RES-CHIP	100	5%	1/10W	R580	1-216-295-91	SHORT	0		
R509	1-216-025-91	RES-CHIP	100	5%	1/10W	R582	1-216-041-00	RES-CHIP	470	5%	1/10W
R510	1-216-043-91	RES-CHIP	560	5%	1/10W	R584	1-216-041-00	RES-CHIP	470	5%	1/10W
R511	1-216-043-91	RES-CHIP	560	5%	1/10W	R594	1-216-041-00	RES-CHIP	470	5%	1/10W
R512	1-216-043-91	RES-CHIP	560	5%	1/10W	R596	1-216-049-91	RES-CHIP	1K	5%	1/10W
R513	1-216-043-91	RES-CHIP	560	5%	1/10W	R597	1-216-073-00	RES-CHIP	10K	5%	1/10W
R514	1-216-043-91	RES-CHIP	560	5%	1/10W	R600	1-216-066-00	RES-CHIP	5.1K	5%	1/10W
R515	1-216-043-91	RES-CHIP	560	5%	1/10W	R601	1-216-073-00	RES-CHIP	10K	5%	1/10W
R516	1-216-049-91	RES-CHIP	1K	5%	1/10W	R602	1-216-073-00	RES-CHIP	10K	5%	1/10W
R517	1-216-049-91	RES-CHIP	1K	5%	1/10W	R603	1-216-073-00	RES-CHIP	10K	5%	1/10W
R518	1-216-295-91	SHORT	0			R604	1-216-033-00	RES-CHIP	220	5%	1/10W
R520	1-216-645-11	METAL CHIP	560	0.5%	1/10W	R605	1-216-295-91	SHORT	0		

REF. NO.	PART.NO	DESCRIPTION	REMARK	REF. NO.	PART.NO	DESCRIPTION	REMARK
R608	1-216-295-91	SHORT	0	R677	1-216-073-00	RES-CHIP	10K 5% 1/10W
R609	1-216-073-00	RES-CHIP	10K 5% 1/10W	R678	1-216-073-00	RES-CHIP	10K 5% 1/10W
R610	1-216-033-00	RES-CHIP	220 5% 1/10W	R679	1-216-073-00	RES-CHIP	10K 5% 1/10W
R611	1-216-073-00	RES-CHIP	10K 5% 1/10W	R680	1-216-073-00	RES-CHIP	10K 5% 1/10W
R612	1-216-073-00	RES-CHIP	10K 5% 1/10W	R681	1-216-073-00	RES-CHIP	10K 5% 1/10W
R613	1-216-073-00	RES-CHIP	10K 5% 1/10W	R682	1-216-073-00	RES-CHIP	10K 5% 1/10W
R616	1-216-073-00	RES-CHIP	10K 5% 1/10W	R683	1-216-073-00	RES-CHIP	10K 5% 1/10W
R617	1-216-295-91	SHORT	0	R684	1-216-073-00	RES-CHIP	10K 5% 1/10W
R618	1-216-295-91	SHORT	0	R685	1-216-073-00	RES-CHIP	10K 5% 1/10W
R619	1-216-073-00	RES-CHIP	10K 5% 1/10W	R686	1-216-073-00	RES-CHIP	10K 5% 1/10W
R621	1-216-295-91	SHORT	0	R687	1-216-295-91	SHORT	0
R622	1-216-295-91	SHORT	0	R688	1-216-061-00	RES-CHIP	3.3K 5% 1/10W
R623	1-216-295-91	SHORT	0	R689	1-216-057-00	RES-CHIP	2.2K 5% 1/10W
R625	1-216-295-91	SHORT	0	R690	1-216-295-91	SHORT	0
R626	1-216-073-00	RES-CHIP	10K 5% 1/10W	R691	1-216-061-00	RES-CHIP	3.3K 5% 1/10W
R628	1-216-295-91	SHORT	0	R692	1-216-057-00	RES-CHIP	2.2K 5% 1/10W
R629	1-216-073-00	RES-CHIP	10K 5% 1/10W	R693	1-216-009-91	RES-CHIP	22 5% 1/10W
R631	1-216-295-91	SHORT	0	R694	1-216-295-91	SHORT	0
R634	1-216-295-91	SHORT	0	R695	1-216-047-91	RES-CHIP	820 5% 1/10W
R635	1-216-295-91	SHORT	0	R696	1-216-049-91	RES-CHIP	1K 5% 1/10W
R638	1-216-295-91	SHORT	0	R697	1-216-117-00	RES-CHIP	680K 5% 1/10W
R639	1-216-017-91	RES-CHIP	47 5% 1/10W	R698	1-216-117-00	RES-CHIP	680K 5% 1/10W
R640	1-216-009-91	RES-CHIP	22 5% 1/10W	R699	1-216-295-91	SHORT	0
R642	1-216-295-91	SHORT	0	R801	1-216-009-91	RES-CHIP	22 5% 1/10W
R643	1-216-295-91	SHORT	0	R802	1-216-009-91	RES-CHIP	22 5% 1/10W
R645	1-216-295-91	SHORT	0	R804	1-216-073-00	RES-CHIP	10K 5% 1/10W
R651	1-216-295-91	SHORT	0	R806	1-208-806-91	RES-CHIP	10K 0.5% 1/10W
R653	1-216-025-91	RES-CHIP	100 5% 1/10W	R807	1-216-637-11	METAL CHIP	270 0.5% 1/10W
R654	1-216-033-00	RES-CHIP	220 5% 1/10W	R812	1-216-073-00	RES-CHIP	10K 5% 1/10W
R655	1-216-295-91	SHORT	0	R813	1-216-295-91	SHORT	0
R657	1-216-009-91	RES-CHIP	22 5% 1/10W	R814	1-216-073-00	RES-CHIP	10K 5% 1/10W
R658	1-216-049-91	RES-CHIP	1K 5% 1/10W	R815	1-216-073-00	RES-CHIP	10K 5% 1/10W
R659	1-216-025-91	RES-CHIP	100 5% 1/10W	R816	1-216-073-00	RES-CHIP	10K 5% 1/10W
R660	1-216-025-91	RES-CHIP	100 5% 1/10W	R817	1-216-613-11	METAL CHIP	27 0.5% 1/10W
R661	1-216-025-91	RES-CHIP	100 5% 1/10W	R819	1-216-295-91	SHORT	0
R664	1-216-009-91	RES-CHIP	22 5% 1/10W	R820	1-216-295-91	SHORT	0
R665	1-216-035-00	RES-CHIP	270 5% 1/10W	R823	1-216-073-00	RES-CHIP	10K 5% 1/10W
R666	1-216-646-11	METAL CHIP	620 0.5% 1/10W	R824	1-216-073-00	RES-CHIP	10K 5% 1/10W
R667	1-216-663-11	METAL CHIP	3.3K 0.5% 1/10W	R825	1-208-752-91	RES-CHIP	56 0.5% 1/10W
R668	1-216-009-91	RES-CHIP	22 5% 1/10W	R826	1-216-641-11	METAL CHIP	390 0.5% 1/10W
R670	1-216-295-91	SHORT	0	R827	1-216-607-11	METAL CHIP	15 0.5% 1/10W
R671	1-216-073-00	RES-CHIP	10K 5% 1/10W	R834	1-216-629-11	METAL CHIP	120 0.5% 1/10W
R672	1-216-073-00	RES-CHIP	10K 5% 1/10W	R835	1-208-754-91	RES-CHIP	68 0.5% 1/10W
R673	1-216-073-00	RES-CHIP	10K 5% 1/10W	R836	1-216-611-11	METAL CHIP	22 0.5% 1/10W
R674	1-216-073-00	RES-CHIP	10K 5% 1/10W	R838	1-216-295-91	SHORT	0
R675	1-216-073-00	RES-CHIP	10K 5% 1/10W	R840	1-216-295-91	SHORT	0
R676	1-216-073-00	RES-CHIP	10K 5% 1/10W	R844	1-216-009-91	RES-CHIP	22 5% 1/10W

REF.NO.	PART.NO	DESCRIPTION	REMARK			REF.NO.	PART.NO	DESCRIPTION	REMARK		
R845	1-216-009-91	RES-CHIP	22	5%	1/10W	R892	1-216-009-91	RES-CHIP	22	5%	1/10W
R846	1-216-009-91	RES-CHIP	22	5%	1/10W	R893	1-216-009-91	RES-CHIP	22	5%	1/10W
R847	1-216-009-91	RES-CHIP	22	5%	1/10W	R894	1-216-009-91	RES-CHIP	22	5%	1/10W
R848	1-216-009-91	RES-CHIP	22	5%	1/10W	R895	1-216-009-91	RES-CHIP	22	5%	1/10W
R849	1-216-009-91	RES-CHIP	22	5%	1/10W	R896	1-216-009-91	RES-CHIP	22	5%	1/10W
R850	1-216-009-91	RES-CHIP	22	5%	1/10W	R897	1-216-009-91	RES-CHIP	22	5%	1/10W
R851	1-216-009-91	RES-CHIP	22	5%	1/10W	R898	1-216-009-91	RES-CHIP	22	5%	1/10W
R852	1-216-009-91	RES-CHIP	22	5%	1/10W	R901	1-216-061-00	RES-CHIP	3.3K	5%	1/10W
R853	1-216-009-91	RES-CHIP	22	5%	1/10W	R902	1-208-790-91	RES-CHIP	2.2K	0.5%	1/10W
R854	1-216-009-91	RES-CHIP	22	5%	1/10W	R903	1-216-663-11	METAL CHIP	3.3K	0.5%	1/10W
R855	1-216-009-91	RES-CHIP	22	5%	1/10W	R904	1-216-635-11	METAL CHIP	220	0.5%	1/10W
R856	1-216-009-91	RES-CHIP	22	5%	1/10W	R905	1-216-635-11	METAL CHIP	220	0.5%	1/10W
R857	1-216-009-91	RES-CHIP	22	5%	1/10W	R906	1-216-635-11	METAL CHIP	220	0.5%	1/10W
R858	1-216-009-91	RES-CHIP	22	5%	1/10W	R907	1-216-635-11	METAL CHIP	220	0.5%	1/10W
R859	1-216-009-91	RES-CHIP	22	5%	1/10W	R908	1-216-635-11	METAL CHIP	220	0.5%	1/10W
R860	1-216-009-91	RES-CHIP	22	5%	1/10W	R909	1-216-635-11	METAL CHIP	220	0.5%	1/10W
R861	1-216-009-91	RES-CHIP	22	5%	1/10W	R910	1-216-049-91	RES-CHIP	1K	5%	1/10W
R862	1-216-009-91	RES-CHIP	22	5%	1/10W	R911	1-216-049-91	RES-CHIP	1K	5%	1/10W
R863	1-216-009-91	RES-CHIP	22	5%	1/10W	R912	1-216-049-91	RES-CHIP	1K	5%	1/10W
R864	1-216-009-91	RES-CHIP	22	5%	1/10W	R914	1-216-065-91	RES-CHIP	4.7K	5%	1/10W
R865	1-216-009-91	RES-CHIP	22	5%	1/10W	R916	1-216-065-91	RES-CHIP	4.7K	5%	1/10W
R866	1-216-009-91	RES-CHIP	22	5%	1/10W	R917	1-216-295-91	SHORT	0		
R867	1-216-009-91	RES-CHIP	22	5%	1/10W	R919	1-216-295-91	SHORT	0		
R868	1-216-009-91	RES-CHIP	22	5%	1/10W	R939	1-216-295-91	SHORT	0		
R869	1-216-009-91	RES-CHIP	22	5%	1/10W	R940	1-216-295-91	SHORT	0		
R870	1-216-009-91	RES-CHIP	22	5%	1/10W	R941	1-216-295-91	SHORT	0		
R871	1-216-009-91	RES-CHIP	22	5%	1/10W	R942	1-216-037-00	RES-CHIP	330	5%	1/10W
R872	1-216-009-91	RES-CHIP	22	5%	1/10W	R943	1-216-033-00	RES-CHIP	220	5%	1/10W
R873	1-216-009-91	RES-CHIP	22	5%	1/10W	R951	1-216-057-00	RES-CHIP	2.2K	5%	1/10W
R874	1-216-009-91	RES-CHIP	22	5%	1/10W	R952	1-216-057-00	RES-CHIP	2.2K	5%	1/10W
R875	1-216-009-91	RES-CHIP	22	5%	1/10W	R956	1-216-089-91	RES-CHIP	47K	5%	1/10W
R876	1-216-009-91	RES-CHIP	22	5%	1/10W	R957	1-216-635-11	METAL CHIP	220	0.5%	1/10W
R877	1-216-009-91	RES-CHIP	22	5%	1/10W	R958	1-216-635-11	METAL CHIP	220	0.5%	1/10W
R878	1-216-009-91	RES-CHIP	22	5%	1/10W	R959	1-216-635-11	METAL CHIP	220	0.5%	1/10W
R879	1-216-009-91	RES-CHIP	22	5%	1/10W	R960	1-216-635-11	METAL CHIP	220	0.5%	1/10W
R880	1-216-009-91	RES-CHIP	22	5%	1/10W	R961	1-216-635-11	METAL CHIP	220	0.5%	1/10W
R881	1-216-009-91	RES-CHIP	22	5%	1/10W	R962	1-216-635-11	METAL CHIP	220	0.5%	1/10W
R882	1-216-009-91	RES-CHIP	22	5%	1/10W	R979	1-216-295-91	SHORT	0		
R883	1-216-009-91	RES-CHIP	22	5%	1/10W	R981	1-216-037-00	RES-CHIP	330	5%	1/10W
R884	1-216-009-91	RES-CHIP	22	5%	1/10W	R982	1-216-037-00	RES-CHIP	330	5%	1/10W
R885	1-216-009-91	RES-CHIP	22	5%	1/10W	R983	1-216-089-91	RES-CHIP	47K	5%	1/10W
R886	1-216-009-91	RES-CHIP	22	5%	1/10W	R984	1-216-061-00	RES-CHIP	3.3K	5%	1/10W
R887	1-216-009-91	RES-CHIP	22	5%	1/10W	R985	1-216-113-00	RES-CHIP	470K	5%	1/10W
R888	1-216-009-91	RES-CHIP	22	5%	1/10W	R986	1-216-061-00	RES-CHIP	3.3K	5%	1/10W
R889	1-216-009-91	RES-CHIP	22	5%	1/10W	R987	1-216-049-91	RES-CHIP	1K	5%	1/10W
R890	1-216-009-91	RES-CHIP	22	5%	1/10W	R988	1-216-033-00	RES-CHIP	220	5%	1/10W
R891	1-216-009-91	RES-CHIP	22	5%	1/10W	R989	1-216-081-00	RES-CHIP	22K	5%	1/10W

REF. NO.	PART.NO	DESCRIPTION	REMARK	REF. NO.	PART.NO	DESCRIPTION	REMARK
R990	1-216-113-00	RES-CHIP	470K 5% 1/10W	RB024	1-239-409-11	NETWORK RESISTOR (CHIP)	47
R991	1-216-295-91	SHORT	0	RB025	1-239-409-11	NETWORK RESISTOR (CHIP)	47
R993	1-216-089-91	RES-CHIP	47K 5% 1/10W	RB026	1-239-409-11	NETWORK RESISTOR (CHIP)	47
R994	1-216-033-00	RES-CHIP	220 5% 1/10W	RB027	1-239-409-11	NETWORK RESISTOR (CHIP)	47
R995	1-216-033-00	RES-CHIP	220 5% 1/10W	RB301	1-239-621-11	NETWORK RESISTOR (CHIP)	22
R996	1-216-037-00	RES-CHIP	330 5% 1/10W	RB302	1-239-621-11	NETWORK RESISTOR (CHIP)	22
R997	1-216-037-00	RES-CHIP	330 5% 1/10W	RB701	1-239-711-91	NETWORK RESISTOR (CHIP)	0
R998	1-216-073-00	RES-CHIP	10K 5% 1/10W	RB702	1-239-711-91	NETWORK RESISTOR (CHIP)	0
R2801	1-216-629-11	METAL CHIP	120 0.5% 1/10W	RB703	1-239-711-91	NETWORK RESISTOR (CHIP)	0
R2802	1-208-754-91	RES-CHIP	68 0.5% 1/10W	RB704	1-239-711-91	NETWORK RESISTOR (CHIP)	0
R2803	1-216-603-11	METAL CHIP	10 0.5% 1/10W	RB705	1-239-711-91	NETWORK RESISTOR (CHIP)	0
R2804	1-216-627-11	METAL CHIP	100 0.5% 1/10W	RB706	1-239-711-91	NETWORK RESISTOR (CHIP)	0
R2805	1-208-754-91	RES-CHIP	68 0.5% 1/10W	< CRYSTAL >			
R2806	1-216-611-11	METAL CHIP	22 0.5% 1/10W	X801	1-781-649-21	OSCILLATOR, CRYSTAL	
R2809	1-216-295-91	SHORT	0	X802	1-781-650-21	VIBRATOR, CRYSTAL	
R2810	1-216-295-91	SHORT	0	*A-1620-131-A BL Board, Complete			
R2813	1-216-295-91	SHORT	0				
R2815	1-216-295-91	SHORT	0	< CAPACITOR >			
R2817	1-216-295-91	SHORT	0	C2300	1-164-222-11	CERAMIC CHIP 0.22UF	25V
R2818	1-216-295-91	SHORT	0	C2301	1-164-222-11	CERAMIC CHIP 0.22UF	25V
R2820	1-216-295-91	SHORT	0	C2302	1-164-222-11	CERAMIC CHIP 0.22UF	25V
R2822	1-216-295-91	SHORT	0	C2303	1-164-222-11	CERAMIC CHIP 0.22UF	25V
< RESISTOR NETWORK >				C2304	1-164-222-11	CERAMIC CHIP 0.22UF	25V
RB001	1-239-409-11	NETWORK RESISTOR (CHIP)	47	C2305	1-104-664-11	ELECT 47UF	20.00% 16V
RB002	1-239-409-11	NETWORK RESISTOR (CHIP)	47	C2306	1-104-664-11	ELECT 47UF	20.00% 16V
RB003	1-239-409-11	NETWORK RESISTOR (CHIP)	47	C2307	1-104-664-11	ELECT 47UF	20.00% 16V
RB004	1-239-409-11	NETWORK RESISTOR (CHIP)	47	C2308	1-126-933-11	ELECT 100UF	20.00% 16V
RB005	1-239-409-11	NETWORK RESISTOR (CHIP)	47	C2309	1-163-038-91	CERAMIC CHIP 0.1UF	25V
RB006	1-239-409-11	NETWORK RESISTOR (CHIP)	47	C2310	1-163-038-91	CERAMIC CHIP 0.1UF	25V
RB007	1-239-414-11	NETWORK RESISTOR (CHIP)	150	C2311	1-163-259-91	CERAMIC CHIP 220PF	5.00% 50V
RB008	1-239-414-11	NETWORK RESISTOR (CHIP)	150	C2312	1-163-259-91	CERAMIC CHIP 220PF	5.00% 50V
RB009	1-239-414-11	NETWORK RESISTOR (CHIP)	150	C2313	1-163-259-91	CERAMIC CHIP 220PF	5.00% 50V
RB010	1-239-414-11	NETWORK RESISTOR (CHIP)	150	C2314	1-163-259-91	CERAMIC CHIP 220PF	5.00% 50V
RB011	1-239-414-11	NETWORK RESISTOR (CHIP)	150	C2317	1-163-038-91	CERAMIC CHIP 0.1UF	25V
RB012	1-239-414-11	NETWORK RESISTOR (CHIP)	150	C2320	1-104-664-11	ELECT 47UF	20.00% 16V
RB013	1-239-621-11	NETWORK RESISTOR (CHIP)	22	C2321	1-104-664-11	ELECT 47UF	20.00% 16V
RB014	1-239-621-11	NETWORK RESISTOR (CHIP)	22	C2322	1-104-664-11	ELECT 47UF	20.00% 16V
RB015	1-239-621-11	NETWORK RESISTOR (CHIP)	22	C2323	1-163-038-91	CERAMIC CHIP 0.1UF	25V
RB016	1-239-621-11	NETWORK RESISTOR (CHIP)	22	C2324	1-163-038-91	CERAMIC CHIP 0.1UF	25V
RB017	1-239-621-11	NETWORK RESISTOR (CHIP)	22	C2325	1-163-038-91	CERAMIC CHIP 0.1UF	25V
RB018	1-239-621-11	NETWORK RESISTOR (CHIP)	22	C2326	1-163-105-00	CERAMIC CHIP 33PF	5.00% 50V
RB019	1-239-409-11	NETWORK RESISTOR (CHIP)	47	C2327	1-163-105-00	CERAMIC CHIP 33PF	5.00% 50V
RB020	1-239-409-11	NETWORK RESISTOR (CHIP)	47	C2328	1-163-105-00	CERAMIC CHIP 33PF	5.00% 50V
RB021	1-239-409-11	NETWORK RESISTOR (CHIP)	47	C2329	1-163-038-91	CERAMIC CHIP 0.1UF	25V
RB022	1-239-409-11	NETWORK RESISTOR (CHIP)	47	C2330	1-104-664-11	ELECT 47UF	20.00% 16V
RB023	1-239-409-11	NETWORK RESISTOR (CHIP)	47				

REF.NO.	PART.NO	DESCRIPTION	REMARK	REF.NO.	PART.NO	DESCRIPTION	REMARK
C2331	1-164-004-11	CERAMIC CHIP 0.1UF	10.00% 25V	C2535	1-104-664-11	ELECT 47UF	20.00% 16V
C2332	1-164-004-11	CERAMIC CHIP 0.1UF	10.00% 25V	C2536	1-104-664-11	ELECT 47UF	20.00% 16V
C2333	1-164-004-11	CERAMIC CHIP 0.1UF	10.00% 25V	C2537	1-104-664-11	ELECT 47UF	20.00% 16V
C2334	1-164-690-91	CERAMIC CHIP 0.0022UF	5.00% 50V	C2538	1-165-319-11	CERAMIC CHIP 0.1UF	50V
C2335	1-104-664-11	ELECT 47UF	20.00% 16V	C2539	1-165-319-11	CERAMIC CHIP 0.1UF	50V
C2336	1-164-004-11	CERAMIC CHIP 0.1UF	10.00% 25V	C2540	1-107-823-11	CERAMIC CHIP 0.47UF	10.00% 16V
C2337	1-164-004-11	CERAMIC CHIP 0.1UF	10.00% 25V	C2541	1-163-135-00	CERAMIC CHIP 560PF	5.00% 50V
C2338	1-104-664-11	ELECT 47UF	20.00% 16V	C2542	1-163-255-11	CERAMIC CHIP 150PF	5.00% 50V
C2340	1-107-823-11	CERAMIC CHIP 0.47UF	10.00% 16V	C2543	1-163-133-00	CERAMIC CHIP 470PF	5.00% 50V
C2341	1-164-505-11	CERAMIC CHIP 2.2UF	16V	C2544	1-107-823-11	CERAMIC CHIP 0.47UF	10.00% 16V
C2342	1-104-664-11	ELECT 47UF	20.00% 16V	C2545	1-163-113-00	CERAMIC CHIP 68PF	5.00% 50V
C2344	1-104-664-11	ELECT 47UF	20.00% 16V	C2546	1-165-319-11	CERAMIC CHIP 0.1UF	50V
C2347	1-164-004-11	CERAMIC CHIP 0.1UF	10.00% 25V	C2547	1-165-319-11	CERAMIC CHIP 0.1UF	50V
C2348	1-163-038-91	CERAMIC CHIP 0.1UF	25V	C2548	1-163-227-11	CERAMIC CHIP 10PF	0.50PF 50V
C2349	1-104-664-11	ELECT 47UF	20.00% 16V	C2550	1-163-229-11	CERAMIC CHIP 12PF	5.00% 50V
C2350	1-104-664-11	ELECT 47UF	20.00% 16V	C2551	1-163-038-91	CERAMIC CHIP 0.1UF	25V
C2351	1-163-038-91	CERAMIC CHIP 0.1UF	25V	C2552	1-163-038-91	CERAMIC CHIP 0.1UF	25V
C2352	1-104-664-11	ELECT 47UF	20.00% 16V	C2553	1-163-038-91	CERAMIC CHIP 0.1UF	25V
C2353	1-163-237-11	CERAMIC CHIP 27PF	5.00% 50V	C2567	1-164-004-11	CERAMIC CHIP 0.1UF	10.00% 25V
C2355	1-163-021-91	CERAMIC CHIP 0.01UF	10.00% 50V	C2568	1-126-964-11	ELECT 10UF	20.00% 50V
C2501	1-126-964-11	ELECT 10UF	20.00% 50V	C2571	1-126-964-11	ELECT 10UF	20.00% 50V
C2502	1-126-964-11	ELECT 10UF	20.00% 50V	C2572	1-164-004-11	CERAMIC CHIP 0.1UF	10.00% 25V
C2504	1-163-255-11	CERAMIC CHIP 150PF	5.00% 50V	C2573	1-126-964-11	ELECT 10UF	20.00% 50V
C2505	1-163-255-11	CERAMIC CHIP 150PF	5.00% 50V	C2575	1-126-964-11	ELECT 10UF	20.00% 50V
C2506	1-163-253-11	CERAMIC CHIP 120PF	5.00% 50V	C2586	1-126-767-11	ELECT 1000UF	20.00% 16V
C2507	1-163-253-11	CERAMIC CHIP 120PF	5.00% 50V	C2587	1-107-714-11	ELECT 10UF	20.00% 16V
C2508	1-107-823-11	CERAMIC CHIP 0.47UF	10.00% 16V	C2588	1-126-767-11	ELECT 1000UF	20.00% 16V
C2509	1-126-933-11	ELECT 100UF	20.00% 16V	< CONNECTOR >			
C2510	1-126-933-11	ELECT 100UF	20.00% 16V	CN2301	1-695-301-11	CONNECTOR, BOARD TO BOARD 40P	
C2511	1-165-319-11	CERAMIC CHIP 0.1UF	50V	< DIODE >			
C2512	1-107-823-11	CERAMIC CHIP 0.47UF	10.00% 16V	D2301	8-719-063-73	DIODE D1NL20U-TR	
C2513	1-165-319-11	CERAMIC CHIP 0.1UF	50V	D2302	8-719-063-73	DIODE D1NL20U-TR	
C2515	1-107-823-11	CERAMIC CHIP 0.47UF	10.00% 16V	D2502	8-719-914-43	DIODE DAN202K-T-146	
C2516	1-126-964-11	ELECT 10UF	20.00% 50V	D2503	8-719-914-43	DIODE DAN202K-T-146	
C2518	1-107-823-11	CERAMIC CHIP 0.47UF	10.00% 16V	D2504	8-719-914-43	DIODE DAN202K-T-146	
C2519	1-107-823-11	CERAMIC CHIP 0.47UF	10.00% 16V	< DELAY LINE >			
C2521	1-107-823-11	CERAMIC CHIP 0.47UF	10.00% 16V	DL2501	1-234-532-11	FILTER, LOW PASS	
C2522	1-126-967-11	ELECT 47UF	20.00% 50V	DL2502	1-234-532-11	FILTER, LOW PASS	
C2523	1-165-319-11	CERAMIC CHIP 0.1UF	50V	< FILTER >			
C2524	1-126-964-11	ELECT 10UF	20.00% 50V	FL2300	1-234-479-11	FILTER, LOW PASS	
C2525	1-126-964-11	ELECT 10UF	20.00% 50V	FL2301	1-236-071-11	ENCAPSULATED COMPONENT	
C2526	1-126-964-11	ELECT 10UF	20.00% 50V	FL2501	1-234-515-11	FILTER, LOW PASS	
C2528	1-165-319-11	CERAMIC CHIP 0.1UF	50V				
C2529	1-163-259-91	CERAMIC CHIP 220PF	5.00% 50V				
C2530	1-163-087-00	CERAMIC CHIP 4PF	0.25PF 50V				
C2531	1-165-319-11	CERAMIC CHIP 0.1UF	50V				
C2533	1-126-964-11	ELECT 10UF	20.00% 50V				

REF. NO.	PART.NO	DESCRIPTION	REMARK	REF. NO.	PART.NO	DESCRIPTION	REMARK
< IC >				Q2328	8-729-120-28	TRANSISTOR 2SC2412K-T-146-QR	
IC2301	8-752-067-36	IC CXA1815S		Q2329	1-801-806-11	TRANSISTOR DTC144EKA-T146	
IC2302	8-759-542-15	IC TDA9178		Q2330	1-801-806-11	TRANSISTOR DTC144EKA-T146	
IC2303	8-759-337-26	IC MM1115XFBE		Q2331	8-729-120-28	TRANSISTOR 2SC2412K-T-146-QR	
IC2501	8-759-710-86	IC NJM2233BM(TE2)		Q2332	8-729-120-28	TRANSISTOR 2SC2412K-T-146-QR	
IC2502	8-759-190-29	BA7655AF-E1		Q2333	8-729-120-28	TRANSISTOR 2SC2412K-T-146-QR	
IC2503	8-759-710-24	IC NJM319M-TE2		Q2334	8-729-120-28	TRANSISTOR 2SC2412K-T-146-QR	
IC2504	8-759-708-05	IC TA78L005AP-TPE6		Q2335	8-729-120-28	TRANSISTOR 2SC2412K-T-146-QR	
IC2505	8-752-072-94	IC CXA1875AM-T4		Q2336	8-729-216-22	TRANSISTOR 2SA1037K-T-146-R	
				Q2337	8-729-120-28	TRANSISTOR 2SC2412K-T-146-QR	
< COIL >				Q2338	8-729-216-22	TRANSISTOR 2SA1037K-T-146-R	
L2300	1-414-183-41	INDUCTOR	10UH	Q2339	8-729-120-28	TRANSISTOR 2SC2412K-T-146-QR	
L2301	1-410-435-21	INDUCTOR	220UH	Q2340	8-729-216-22	TRANSISTOR 2SA1037K-T-146-R	
L2302	1-410-435-21	INDUCTOR	220UH	Q2341	8-729-216-22	TRANSISTOR 2SA1037K-T-146-R	
L2303	1-410-427-11	INDUCTOR	47UH	Q2342	8-729-120-28	TRANSISTOR 2SC2412K-T-146-QR	
L2321	1-216-295-91	SHORT	0	Q2343	8-729-216-22	TRANSISTOR 2SA1037K-T-146-R	
L2322	1-216-295-91	SHORT	0	Q2345	8-729-120-28	TRANSISTOR 2SC2412K-T-146-QR	
L2323	1-216-295-91	SHORT	0	Q2504	8-729-120-28	TRANSISTOR 2SC2412K-T-146-QR	
L2501	1-535-143-00	LEAD, JUMPER	(5.0MM)	Q2506	8-729-120-28	TRANSISTOR 2SC2412K-T-146-QR	
L2502	1-535-143-00	LEAD, JUMPER	(5.0MM)	Q2507	8-729-120-28	TRANSISTOR 2SC2412K-T-146-QR	
L2503	1-410-426-11	INDUCTOR	39UH	Q2508	8-729-120-28	TRANSISTOR 2SC2412K-T-146-QR	
L2504	1-410-431-11	INDUCTOR	100UH	Q2509	8-729-216-22	TRANSISTOR 2SA1037K-T-146-R	
L2505	1-410-431-11	INDUCTOR	100UH	Q2510	8-729-216-22	TRANSISTOR 2SA1037K-T-146-R	
L2506	1-408-615-31	INDUCTOR	100UH	Q2511	8-729-120-28	TRANSISTOR 2SC2412K-T-146-QR	
L2507	1-408-615-31	INDUCTOR	100UH	Q2512	8-729-120-28	TRANSISTOR 2SC2412K-T-146-QR	
L2508	1-408-605-31	INDUCTOR	15UH	Q2513	8-729-120-28	TRANSISTOR 2SC2412K-T-146-QR	
L2509	1-410-419-21	INDUCTOR	10UH	Q2514	8-729-120-28	TRANSISTOR 2SC2412K-T-146-QR	
< TRANSISTOR >				Q2515	8-729-120-28	TRANSISTOR 2SC2412K-T-146-QR	
Q2300	8-729-120-28	TRANSISTOR 2SC2412K-T-146-QR		Q2516	8-729-120-28	TRANSISTOR 2SC2412K-T-146-QR	
Q2301	8-729-120-28	TRANSISTOR 2SC2412K-T-146-QR		Q2517	8-729-120-28	TRANSISTOR 2SC2412K-T-146-QR	
Q2302	8-729-120-28	TRANSISTOR 2SC2412K-T-146-QR		Q2518	8-729-120-28	TRANSISTOR 2SC2412K-T-146-QR	
Q2306	8-729-216-22	TRANSISTOR 2SA1037K-T-146-R		Q2519	8-729-120-28	TRANSISTOR 2SC2412K-T-146-QR	
Q2307	8-729-120-28	TRANSISTOR 2SC2412K-T-146-QR		Q2520	8-729-120-28	TRANSISTOR 2SC2412K-T-146-QR	
Q2308	8-729-120-28	TRANSISTOR 2SC2412K-T-146-QR		Q2521	8-729-216-22	TRANSISTOR 2SA1037K-T-146-R	
Q2309	8-729-120-28	TRANSISTOR 2SC2412K-T-146-QR		Q2522	8-729-120-28	TRANSISTOR 2SC2412K-T-146-QR	
Q2316	8-729-216-22	TRANSISTOR 2SA1037K-T-146-R		Q2523	8-729-120-28	TRANSISTOR 2SC2412K-T-146-QR	
Q2318	8-729-216-22	TRANSISTOR 2SA1037K-T-146-R		Q2524	8-729-120-28	TRANSISTOR 2SC2412K-T-146-QR	
Q2319	8-729-216-22	TRANSISTOR 2SA1037K-T-146-R		Q2525	8-729-120-28	TRANSISTOR 2SC2412K-T-146-QR	
Q2320	8-729-120-28	TRANSISTOR 2SC2412K-T-146-QR		Q2526	8-729-120-28	TRANSISTOR 2SC2412K-T-146-QR	
Q2322	8-729-120-28	TRANSISTOR 2SC2412K-T-146-QR		Q2527	8-729-120-28	TRANSISTOR 2SC2412K-T-146-QR	
Q2323	1-801-806-11	TRANSISTOR DTC144EKA-T146		Q2528	8-729-120-28	TRANSISTOR 2SC2412K-T-146-QR	
Q2324	8-729-216-22	TRANSISTOR 2SA1037K-T-146-R		Q2529	8-729-120-28	TRANSISTOR 2SC2412K-T-146-QR	
Q2325	8-729-120-28	TRANSISTOR 2SC2412K-T-146-QR		Q2530	8-729-216-22	TRANSISTOR 2SA1037K-T-146-R	
Q2326	8-729-216-22	TRANSISTOR 2SA1037K-T-146-R		Q2531	8-729-120-28	TRANSISTOR 2SC2412K-T-146-QR	
Q2327	8-729-120-28	TRANSISTOR 2SC2412K-T-146-QR		Q2532	8-729-120-28	TRANSISTOR 2SC2412K-T-146-QR	
				Q2533	8-729-120-28	TRANSISTOR 2SC2412K-T-146-QR	
				Q2534	8-729-120-28	TRANSISTOR 2SC2412K-T-146-QR	



REF. NO.	PART.NO	DESCRIPTION	REMARK			REF. NO.	PART.NO	DESCRIPTION	REMARK		
Q2555	8-729-216-22	TRANSISTOR 2SA1037K-T-146-R				R2350	1-216-017-91	RES-CHIP	47	5%	1/10W
Q2558	8-729-120-28	TRANSISTOR 2SC2412K-T-146-QR				R2351	1-216-025-91	RES-CHIP	100	5%	1/10W
Q2560	8-729-120-28	TRANSISTOR 2SC2412K-T-146-QR				R2352	1-216-025-91	RES-CHIP	100	5%	1/10W
Q2561	8-729-120-28	TRANSISTOR 2SC2412K-T-146-QR				R2353	1-216-049-91	RES-CHIP	1K	5%	1/10W
Q2566	8-729-216-22	TRANSISTOR 2SA1037K-T-146-R				R2354	1-216-017-91	RES-CHIP	47	5%	1/10W
Q2567	8-729-120-28	TRANSISTOR 2SC2412K-T-146-QR				R2355	1-216-017-91	RES-CHIP	47	5%	1/10W
Q2569	8-729-120-28	TRANSISTOR 2SC2412K-T-146-QR				R2356	1-216-049-91	RES-CHIP	1K	5%	1/10W
Q2571	8-729-216-22	TRANSISTOR 2SA1037K-T-146-R				R2357	1-216-017-91	RES-CHIP	47	5%	1/10W
< RESISTOR >					R2358	1-216-049-91	RES-CHIP	1K	5%	1/10W	
					R2359	1-216-065-91	RES-CHIP	4.7K	5%	1/10W	
R2301	1-216-017-91	RES-CHIP	47	5%	1/10W	R2360	1-216-065-91	RES-CHIP	4.7K	5%	1/10W
R2302	1-216-043-91	RES-CHIP	560	5%	1/10W	R2361	1-216-057-00	RES-CHIP	2.2K	5%	1/10W
R2303	1-216-045-00	RES-CHIP	680	5%	1/10W	R2362	1-216-057-00	RES-CHIP	2.2K	5%	1/10W
R2304	1-216-045-00	RES-CHIP	680	5%	1/10W	R2364	1-216-049-91	RES-CHIP	1K	5%	1/10W
R2305	1-216-047-91	RES-CHIP	820	5%	1/10W	R2366	1-216-049-91	RES-CHIP	1K	5%	1/10W
R2306	1-216-037-00	RES-CHIP	330	5%	1/10W	R2367	1-216-041-00	RES-CHIP	470	5%	1/10W
R2307	1-216-037-00	RES-CHIP	330	5%	1/10W	R2368	1-216-039-00	RES-CHIP	390	5%	1/10W
R2311	1-216-057-00	RES-CHIP	2.2K	5%	1/10W	R2369	1-216-037-00	RES-CHIP	330	5%	1/10W
R2315	1-216-057-00	RES-CHIP	2.2K	5%	1/10W	R2370	1-208-782-91	RES-CHIP	1K	0.5%	1/10W
R2316	1-216-663-11	METAL CHIP	3.3K	0.5%	1/10W	R2371	1-216-662-11	METAL CHIP	3K	0.5%	1/10W
R2317	1-216-049-91	RES-CHIP	1K	5%	1/10W	R2372	1-216-071-00	RES-CHIP	8.2K	5%	1/10W
R2318	1-216-049-91	RES-CHIP	1K	5%	1/10W	R2373	1-208-782-91	RES-CHIP	1K	0.5%	1/10W
R2321	1-216-041-00	RES-CHIP	470	5%	1/10W	R2374	1-216-662-11	METAL CHIP	3K	0.5%	1/10W
R2322	1-216-041-00	RES-CHIP	470	5%	1/10W	R2375	1-216-071-00	RES-CHIP	8.2K	5%	1/10W
R2323	1-216-041-00	RES-CHIP	470	5%	1/10W	R2376	1-216-049-91	RES-CHIP	1K	5%	1/10W
R2325	1-216-025-91	RES-CHIP	100	5%	1/10W	R2378	1-216-095-00	RES-CHIP	82K	5%	1/10W
R2329	1-216-025-91	RES-CHIP	100	5%	1/10W	R2379	1-216-089-91	RES-CHIP	47K	5%	1/10W
R2330	1-216-049-91	RES-CHIP	1K	5%	1/10W	R2380	1-216-089-91	RES-CHIP	47K	5%	1/10W
R2331	1-216-025-91	RES-CHIP	100	5%	1/10W	R2381	1-216-097-91	RES-CHIP	100K	5%	1/10W
R2332	1-216-049-91	RES-CHIP	1K	5%	1/10W	R2384	1-216-073-00	RES-CHIP	10K	5%	1/10W
R2333	1-216-049-91	RES-CHIP	1K	5%	1/10W	R2385	1-216-025-91	RES-CHIP	100	5%	1/10W
R2334	1-216-017-91	RES-CHIP	47	5%	1/10W	R2386	1-216-643-11	METAL CHIP	470	0.5%	1/10W
R2335	1-216-017-91	RES-CHIP	47	5%	1/10W	R2387	1-216-643-11	METAL CHIP	470	0.5%	1/10W
R2336	1-216-017-91	RES-CHIP	47	5%	1/10W	R2389	1-216-081-00	RES-CHIP	22K	5%	1/10W
R2337	1-216-017-91	RES-CHIP	47	5%	1/10W	R2390	1-216-081-00	RES-CHIP	22K	5%	1/10W
R2338	1-216-017-91	RES-CHIP	47	5%	1/10W	R2391	1-216-041-00	RES-CHIP	470	5%	1/10W
R2339	1-216-017-91	RES-CHIP	47	5%	1/10W	R2392	1-216-025-91	RES-CHIP	100	5%	1/10W
R2340	1-216-017-91	RES-CHIP	47	5%	1/10W	R2393	1-216-643-11	METAL CHIP	470	0.5%	1/10W
R2341	1-216-017-91	RES-CHIP	47	5%	1/10W	R2394	1-216-645-11	METAL CHIP	560	0.5%	1/10W
R2342	1-216-025-91	RES-CHIP	100	5%	1/10W	R2397	1-216-081-00	RES-CHIP	22K	5%	1/10W
R2343	1-216-025-91	RES-CHIP	100	5%	1/10W	R2398	1-216-081-00	RES-CHIP	22K	5%	1/10W
R2344	1-216-017-91	RES-CHIP	47	5%	1/10W	R2399	1-216-041-00	RES-CHIP	470	5%	1/10W
R2345	1-216-017-91	RES-CHIP	47	5%	1/10W	R2400	1-216-025-91	RES-CHIP	100	5%	1/10W
R2346	1-216-017-91	RES-CHIP	47	5%	1/10W	R2401	1-216-081-00	RES-CHIP	22K	5%	1/10W
R2347	1-216-017-91	RES-CHIP	47	5%	1/10W	R2402	1-216-089-91	RES-CHIP	47K	5%	1/10W
R2348	1-216-017-91	RES-CHIP	47	5%	1/10W	R2403	1-216-041-00	RES-CHIP	470	5%	1/10W
R2349	1-216-017-91	RES-CHIP	47	5%	1/10W	R2404	1-216-041-00	RES-CHIP	470	5%	1/10W

REF. NO.	PART.NO	DESCRIPTION	REMARK			REF. NO.	PART.NO	DESCRIPTION	REMARK		
R2407	1-216-041-00	RES-CHIP	470	5%	1/10W	R2538	1-216-645-11	METAL CHIP	560	0.5%	1/10W
R2408	1-216-295-91	SHORT	0			R2539	1-216-059-00	RES-CHIP	2.7K	5%	1/10W
R2411	1-216-049-91	RES-CHIP	1K	5%	1/10W	R2540	1-216-065-91	RES-CHIP	4.7K	5%	1/10W
R2413	1-216-641-11	METAL CHIP	390	0.5%	1/10W	R2541	1-216-653-11	METAL CHIP	1.2K	0.5%	1/10W
R2414	1-216-295-91	SHORT	0			R2542	1-216-647-11	METAL CHIP	680	0.5%	1/10W
R2415	1-216-647-11	METAL CHIP	680	0.5%	1/10W	R2543	1-216-647-11	METAL CHIP	680	0.5%	1/10W
R2418	1-216-025-91	RES-CHIP	100	5%	1/10W	R2544	1-216-645-11	METAL CHIP	560	0.5%	1/10W
R2421	1-216-049-91	RES-CHIP	1K	5%	1/10W	R2545	1-208-754-91	RES-CHIP	68	0.5%	1/10W
R2422	1-216-295-91	SHORT	0			R2546	1-216-655-11	METAL CHIP	1.5K	0.5%	1/10W
R2423	1-216-029-00	RES-CHIP	150	5%	1/10W	R2547	1-216-641-11	METAL CHIP	390	0.5%	1/10W
R2424	1-216-039-00	RES-CHIP	390	5%	1/10W	R2548	1-216-645-11	METAL CHIP	560	0.5%	1/10W
R2425	1-216-041-00	RES-CHIP	470	5%	1/10W	R2549	1-208-754-91	RES-CHIP	68	0.5%	1/10W
R2426	1-216-035-00	RES-CHIP	270	5%	1/10W	R2551	1-216-655-11	METAL CHIP	1.5K	0.5%	1/10W
R2427	1-216-035-00	RES-CHIP	270	5%	1/10W	R2552	1-216-615-91	METAL CHIP	33	0.5%	1/10W
R2428	1-216-045-00	RES-CHIP	680	5%	1/10W	R2553	1-216-645-11	METAL CHIP	560	0.5%	1/10W
R2429	1-216-045-00	RES-CHIP	680	5%	1/10W	R2554	1-208-782-91	RES-CHIP	1K	0.5%	1/10W
R2430	1-216-045-00	RES-CHIP	680	5%	1/10W	R2555	1-216-073-00	RES-CHIP	10K	5%	1/10W
R2431	1-216-033-00	RES-CHIP	220	5%	1/10W	R2556	1-216-645-11	METAL CHIP	560	0.5%	1/10W
R2432	1-216-067-00	RES-CHIP	5.6K	5%	1/10W	R2557	1-216-063-91	RES-CHIP	3.9K	5%	1/10W
R2436	1-216-025-91	RES-CHIP	100	5%	1/10W	R2558	1-216-073-00	RES-CHIP	10K	5%	1/10W
R2437	1-216-051-00	RES-CHIP	1.2K	5%	1/10W	R2559	1-216-657-11	METAL CHIP	1.8K	0.5%	1/10W
R2502	1-216-669-11	METAL CHIP	5.6K	0.5%	1/10W	R2560	1-216-643-11	METAL CHIP	470	0.5%	1/10W
R2503	1-208-789-91	RES-CHIP	4.7K	0.5%	1/10W	R2561	1-216-653-11	METAL CHIP	1.2K	0.5%	1/10W
R2505	1-216-649-11	METAL CHIP	820	0.5%	1/10W	R2562	1-216-669-11	METAL CHIP	5.6K	0.5%	1/10W
R2506	1-216-061-00	RES-CHIP	3.3K	5%	1/10W	R2563	1-216-669-11	METAL CHIP	5.6K	0.5%	1/10W
R2511	1-216-053-00	RES-CHIP	1.5K	5%	1/10W	R2564	1-208-790-91	RES-CHIP	2.2K	0.5%	1/10W
R2513	1-216-637-11	METAL CHIP	270	0.5%	1/10W	R2565	1-216-657-11	METAL CHIP	1.8K	0.5%	1/10W
R2514	1-216-059-00	RES-CHIP	2.7K	5%	1/10W	R2566	1-216-648-11	METAL CHIP	750	0.5%	1/10W
R2515	1-216-643-11	METAL CHIP	470	0.5%	1/10W	R2567	1-216-049-91	RES-CHIP	1K	5%	1/10W
R2516	1-216-649-11	METAL CHIP	820	0.5%	1/10W	R2568	1-216-663-11	METAL CHIP	3.3K	0.5%	1/10W
R2517	1-216-643-11	METAL CHIP	470	0.5%	1/10W	R2569	1-208-802-91	RES-CHIP	6.8K	0.5%	1/10W
R2518	1-216-643-11	METAL CHIP	470	0.5%	1/10W	R2570	1-216-073-00	RES-CHIP	10K	5%	1/10W
R2519	1-216-643-11	METAL CHIP	470	0.5%	1/10W	R2571	1-216-663-11	METAL CHIP	3.3K	0.5%	1/10W
R2521	1-208-782-91	RES-CHIP	1K	0.5%	1/10W	R2572	1-216-653-11	METAL CHIP	1.2K	0.5%	1/10W
R2522	1-216-025-91	RES-CHIP	100	5%	1/10W	R2573	1-208-798-91	RES-CHIP	4.7K	0.5%	1/10W
R2523	1-216-057-00	RES-CHIP	2.2K	5%	1/10W	R2574	1-216-295-91	SHORT	0		
R2525	1-216-055-00	RES-CHIP	1.8K	5%	1/10W	R2575	1-216-641-11	METAL CHIP	390	0.5%	1/10W
R2526	1-216-033-00	RES-CHIP	220	5%	1/10W	R2576	1-216-059-00	RES-CHIP	2.7K	5%	1/10W
R2528	1-216-033-00	RES-CHIP	220	5%	1/10W	R2577	1-216-645-11	METAL CHIP	560	0.5%	1/10W
R2529	1-216-055-00	RES-CHIP	1.8K	5%	1/10W	R2578	1-216-645-11	METAL CHIP	560	0.5%	1/10W
R2530	1-216-049-91	RES-CHIP	1K	5%	1/10W	R2579	1-216-053-00	RES-CHIP	1.5K	5%	1/10W
R2531	1-208-754-91	RES-CHIP	150	0.5%	1/10W	R2580	1-216-645-11	METAL CHIP	560	0.5%	1/10W
R2532	1-216-073-00	RES-CHIP	10K	5%	1/10W	R2581	1-216-643-11	METAL CHIP	470	0.5%	1/10W
R2534	1-216-049-91	RES-CHIP	1K	5%	1/10W	R2582	1-216-635-11	METAL CHIP	220	0.5%	1/10W
R2535	1-216-065-91	RES-CHIP	4.7K	5%	1/10W	R2583	1-216-055-00	RES-CHIP	1.8K	5%	1/10W
R2536	1-216-653-11	METAL CHIP	1.2K	0.5%	1/10W	R2584	1-216-049-91	RES-CHIP	1K	5%	1/10W
R2537	1-216-059-00	RES-CHIP	2.7K	5%	1/10W	R2585	1-216-081-00	RES-CHIP	22K	5%	1/10W

BL

F1

A

The components identified by shading and marked Δ are critical for safety
Replace only with the part number specified.

REF.NO.	PART.NO	DESCRIPTION	REMARK
R2586	1-216-073-00	RES-CHIP 10K 5%	1/10W
R2587	1-216-055-00	RES-CHIP 1.8K 5%	1/10W
R2588	1-216-645-11	METAL CHIP 560 0.5%	1/10W
R2589	1-216-055-00	RES-CHIP 1.8K 5%	1/10W
R2590	1-216-647-11	METAL CHIP 680 0.5%	1/10W
R2591	1-216-055-00	RES-CHIP 1.8K 5%	1/10W
R2592	1-216-645-11	METAL CHIP 560 0.5%	1/10W
R2593	1-216-055-00	RES-CHIP 1.8K 5%	1/10W
R2594	1-216-643-11	METAL CHIP 470 0.5%	1/10W
R2610	1-216-295-91	SHORT 0	
R2611	1-216-641-11	METAL CHIP 390 0.5%	1/10W
R2614	1-216-665-11	METAL CHIP 3.9K 0.5%	1/10W
R2615	1-216-657-11	METAL CHIP 1.8K 0.5%	1/10W
R2620	1-216-073-00	RES-CHIP 10K 5%	1/10W
R2621	1-216-033-00	RES-CHIP 220 5%	1/10W
R2640	1-208-782-91	RES-CHIP 1K 0.5%	1/10W
R2642	1-216-669-11	METAL CHIP 5.6K 0.5%	1/10W
R2644	1-216-069-00	RES-CHIP 6.8K 5%	1/10W
R2647	1-216-051-00	RES-CHIP 1.2K 5%	1/10W
R2648	1-216-648-11	METAL CHIP 750 0.5%	1/10W
R2651	1-216-053-00	RES-CHIP 1.5K 5%	1/10W
R2652	1-216-653-11	METAL CHIP 1.2K 0.5%	1/10W
R2653	1-216-071-00	RES-CHIP 8.2K 5%	1/10W
R2654	1-216-073-00	RES-CHIP 10K 5%	1/10W
R2657	1-216-069-00	RES-CHIP 6.8K 5%	1/10W
R2664	1-208-782-91	RES-CHIP 1K 0.5%	1/10W
R2666	1-216-069-00	RES-CHIP 6.8K 5%	1/10W
R2669	1-216-051-00	RES-CHIP 1.2K 5%	1/10W
R2670	1-216-648-11	METAL CHIP 750 0.5%	1/10W
R2671	1-216-053-00	RES-CHIP 1.5K 5%	1/10W
R2672	1-216-653-11	METAL CHIP 1.2K 0.5%	1/10W
R2673	1-216-071-00	RES-CHIP 8.2K 5%	1/10W
R2674	1-216-073-00	RES-CHIP 10K 5%	1/10W
R2675	1-216-069-00	RES-CHIP 6.8K 5%	1/10W
R2677	1-216-073-00	RES-CHIP 10K 5%	1/10W
R2679	1-216-073-00	RES-CHIP 10K 5%	1/10W
R2682	1-216-669-11	METAL CHIP 5.6K 0.5%	1/10W
R2684	1-208-770-91	RES-CHIP 330 0.5%	1/10W
R2687	1-216-049-91	RES-CHIP 1K 5%	1/10W
R2688	1-216-295-91	SHORT 0	
R2690	1-216-295-91	SHORT 0	
R2693	1-216-295-91	SHORT 0	
R2694	1-216-295-91	SHORT 0	
R2696	1-216-295-91	SHORT 0	
R2697	1-208-782-91	RES-CHIP 1K 0.5%	1/10W
R2700	1-216-295-91	SHORT 0	
R2701	1-216-295-91	SHORT 0	

REF.NO.	PART.NO	DESCRIPTION	REMARK
R2702	1-216-295-91	SHORT 0	
R2704	1-216-295-91	SHORT 0	
R2705	1-208-782-91	RES-CHIP 1K 0.5%	1/10W

*A-1624-082-A F1 Board, Complete

*4-374-846-01 COVER, CAPACITOR, CAP TYPE

< CAPACITOR >

C7626 Δ 1-136-527-12 FILM 0.47UF 20.00% 300V

< CONNECTOR >

CN7611 Δ *1-580-843-11 PIN, CONNECTOR (POWER)

CN7622 1-695-915-11 TAB (CONTACT)

CN7633 Δ *1-580-843-11 PIN, CONNECTOR (POWER)

CN7655 1-695-915-11 TAB (CONTACT)

< FUSE >

F7626 Δ 1-576-233-11 FUSE (H.B.C.) 6.3A 250V

Δ *1-533-725-11 HOLDER, FUSE (F7626)

< RESISTOR >

R7626 Δ 1-202-719-00 SOLID 1M 20% 1/2W

< TRANSFORMER >

LF7626 Δ 1-433-488-11 TRANSFORMER, LINE FILTER

LF7627 Δ 1-433-488-11 TRANSFORMER, LINE FILTER

< VARISTOR >

VD7626 Δ 1-803-830-11 VARISTOR (ERZV14D621)

*A-1631-107-A A Board, Complete

4-382-854-11 SCREW (M3X10), P, SW (+)

*4-931-401-01 HEAT SINK, V.OUT

< CAPACITOR >

C1100 1-104-664-11 ELECT 47UF 20.00% 25V

C1101 1-126-943-11 ELECT 2200UF 20.00% 25V

C1126 1-162-568-11 CERAMIC CHIP 0.33UF 10.00% 16V

C1127 1-137-194-81 MYLAR 0.47UF 5.00% 50V

C1128 1-163-135-00 CERAMIC CHIP 560PF 5.00% 50V

C1129 1-115-339-11 CERAMIC CHIP 0.1UF 10.00% 50V

C1130 1-163-017-00 CERAMIC CHIP 0.0047UF 10.00% 50V

C1131 1-163-251-11 CERAMIC CHIP 100PF 5.00% 50V

C1132 1-163-021-91 CERAMIC CHIP 0.01UF 10.00% 50V

C1133 1-164-004-11 CERAMIC CHIP 0.1UF 10.00% 25V

REF. NO.	PART.NO	DESCRIPTION	REMARK	REF. NO.	PART.NO	DESCRIPTION	REMARK
C1134	1-126-961-11	ELECT 2.2UF	20.00% 50V	C1612	1-164-004-11	CERAMIC CHIP 0.1UF	10.00% 25V
C1135	1-164-004-11	CERAMIC CHIP 0.1UF	10.00% 25V	C1613	1-127-519-91	ELECT 100UF	20.00% 20V
C1136	1-164-004-11	CERAMIC CHIP 0.1UF	10.00% 25V	C1615	1-164-004-11	CERAMIC CHIP 0.1UF	10.00% 25V
C1137	1-126-953-11	ELECT 2200UF	20.00% 35V	C1617	1-164-004-11	CERAMIC CHIP 0.1UF	10.00% 25V
C1138	1-126-953-11	ELECT 2200UF	20.00% 35V	C1630	1-126-925-11	ELECT 470UF	20.00% 10V
C1140	1-111-216-91	ELECT 150UF	20.00% 63V	C1631	1-126-925-11	ELECT 470UF	20.00% 10V
C1141	1-164-505-11	CERAMIC CHIP 2.2UF	16V	C1632	1-136-495-11	MYLAR 0.068UF	5.00% 50V
C1142	1-130-777-00	MYLAR 0.1UF	5.00% 63V	C1633	1-136-495-11	MYLAR 0.068UF	5.00% 50V
C1151	1-162-568-11	CERAMIC CHIP 0.33UF	10.00% 16V	C1636	1-126-916-11	ELECT 1000UF	20.00% 6.3V
C1152	1-137-194-81	MYLAR 0.47UF	5.00% 50V	C1637	1-126-916-11	ELECT 1000UF	20.00% 6.3V
C1153	1-163-135-00	CERAMIC CHIP 560PF	5.00% 50V	C1638	1-126-935-11	ELECT 470UF	20.00% 6.3V
C1154	1-115-339-11	CERAMIC CHIP 0.1UF	10.00% 50V	C1639	1-126-935-11	ELECT 470UF	20.00% 6.3V
C1155	1-163-017-00	CERAMIC CHIP 0.0047UF	10.00% 50V	< CONNECTOR >			
C1156	1-163-251-11	CERAMIC CHIP 100PF	5.00% 50V	CN1111	*1-564-520-11	PLUG, CONNECTOR 5P	
C1157	1-163-021-91	CERAMIC CHIP 0.01UF	10.00% 50V	CN1200	1-695-299-11	CONNECTOR, BOARD TO BOARD 50P	
C1158	1-164-004-11	CERAMIC CHIP 0.1UF	10.00% 25V	CN1301	1-695-298-11	CONNECTOR, BOARD TO BOARD 40P	
C1159	1-164-004-11	CERAMIC CHIP 0.1UF	10.00% 25V	CN1401	1-695-298-11	CONNECTOR, BOARD TO BOARD 40P	
C1160	1-164-004-11	CERAMIC CHIP 0.1UF	10.00% 25V	CN1600	1-900-903-64	CONNECTOR ASSY 20P	
C1162	1-111-216-91	ELECT 150UF	20.00% 63V	CN1601	1-900-903-64	CONNECTOR ASSY 20P	
C1163	1-164-505-11	CERAMIC CHIP 2.2UF	16V	CN1602	1-900-903-64	CONNECTOR ASSY 20P	
C1164	1-130-777-00	MYLAR 0.1UF	5.00% 63V	CN1666	1-695-915-11	TAB (CONTACT)	
C1176	1-164-004-11	CERAMIC CHIP 0.1UF	10.00% 25V	CN1700	*1-568-879-11	PIN, CONNECTOR 4P	
C1177	1-164-004-11	CERAMIC CHIP 0.1UF	10.00% 25V	CN1702	*1-568-878-51	PIN, CONNECTOR 3P	
C1178	1-126-964-11	ELECT 10UF	20.00% 50V	CN1703	1-764-334-11	PLUG, CONNECTOR 11P	
C1179	1-126-964-11	ELECT 10UF	20.00% 50V	CN1801	1-695-299-11	CONNECTOR, BOARD TO BOARD 50P	
C1180	1-126-952-11	ELECT 1000UF	20.00% 35V	CN1811	1-695-915-11	TAB (CONTACT)	
C1181	1-126-952-11	ELECT 1000UF	20.00% 35V	CN1901	1-695-298-11	CONNECTOR, BOARD TO BOARD 40P	
C1182	1-164-004-11	CERAMIC CHIP 0.1UF	10.00% 25V	CN1902	*1-568-879-11	PIN, CONNECTOR 4P	
C1183	1-164-004-11	CERAMIC CHIP 0.1UF	10.00% 25V	CN1988	*1-568-879-11	PIN, CONNECTOR 4P	
C1184	1-107-823-11	CERAMIC CHIP 0.47UF	10.00% 16V	< COMPOSITION CIRCUIT BLOCK >			
C1185	1-107-823-11	CERAMIC CHIP 0.47UF	10.00% 16V	CP1300	1-251-658-11	SPLITTER RF	
C1186	1-115-339-11	CERAMIC CHIP 0.1UF	10.00% 50V	< DIODE >			
C1187	1-115-339-11	CERAMIC CHIP 0.1UF	10.00% 50V	D1100	8-719-914-43	DIODE DAN202K-T-146	
C1226	1-104-661-91	ELECT 330UF	20.00% 16V	D1101	8-719-914-44	DIODE DAP202K-T-146	
C1227	1-164-505-11	CERAMIC CHIP 2.2UF	16V	D1102	8-719-914-43	DIODE DAN202K-T-146	
C1300	1-126-933-11	ELECT 100UF	20.00% 16V	D1103	8-719-914-43	DIODE DAN202K-T-146	
C1301	1-163-059-91	CERAMIC CHIP 0.01UF	10.00% 50V	D1104	8-719-914-43	DIODE DAN202K-T-146	
C1326	1-163-059-91	CERAMIC CHIP 0.01UF	10.00% 50V	D1201	8-719-976-96	DIODE UDZ-TE-17-4.7B	
C1327	1-126-934-11	ELECT 220UF	20.00% 10V	D1401	8-719-056-82	DIODE UDZ-TE-17-6.2B	
C1328	1-163-117-00	CERAMIC CHIP 100PF	5.00% 50V	D1402	8-719-056-82	DIODE UDZ-TE-17-6.2B	
C1350	1-163-059-91	CERAMIC CHIP 0.01UF	10.00% 50V	D1405	8-719-914-44	DIODE DAP202K-T-146	
C1351	1-126-934-11	ELECT 220UF	20.00% 10V	D1406	8-719-914-43	DIODE DAN202K-T-146	
C1601	1-164-004-11	CERAMIC CHIP 0.1UF	10.00% 25V	D1407	8-719-069-55	DIODE UDZS-TE-17-5.6B	
C1603	1-126-933-11	ELECT 100UF	20.00% 16V				
C1605	1-164-004-11	CERAMIC CHIP 0.1UF	10.00% 25V				
C1610	1-164-004-11	CERAMIC CHIP 0.1UF	10.00% 25V				
C1611	1-126-933-11	ELECT 100UF	20.00% 16V				

REF.NO.	PART.NO	DESCRIPTION	REMARK	REF.NO.	PART.NO	DESCRIPTION	REMARK
D1408	8-719-069-55	DIODE UDZS-TE-17-5.6B		L1633	1-419-249-11	INDUCTOR 15UH	
D1601	8-719-056-83	DIODE UDZ-TE-17-6.8B		L1634	1-412-525-31	INDUCTOR 10UH	
D1602	8-719-914-43	DIODE DAN202K-T-146		L1635	1-412-525-31	INDUCTOR 10UH	
D1626	8-719-914-43	DIODE DAN202K-T-146					
D1627	8-719-914-43	DIODE DAN202K-T-146				< TRANSISTOR >	
				Q1100	8-729-216-22	TRANSISTOR 2SA1037K-T-146-R	
D1630	8-719-500-70	DIODE D5S4M		Q1101	8-729-120-28	TRANSISTOR 2SC2412K-T-146-R	
D1631	8-719-500-70	DIODE D5S4M		Q1201	8-729-120-28	TRANSISTOR 2SC2412K-T-146-R	
		< FERRITE BEAD >		Q1202	8-729-120-28	TRANSISTOR 2SC2412K-T-146-R	
				Q1203	8-729-120-28	TRANSISTOR 2SC2412K-T-146-R	
FB1126	1-535-143-61	LEAD, JUMPER (5.0MM)		Q1204	8-729-120-28	TRANSISTOR 2SC2412K-T-146-R	
FB1127	1-410-397-21	FERRITE 1.1UH		Q1226	8-729-120-28	TRANSISTOR 2SC2412K-T-146-R	
FB1151	1-535-143-61	LEAD, JUMPER (5.0MM)		Q1227	8-729-120-28	TRANSISTOR 2SC2412K-T-146-R	
FB1152	1-410-397-21	FERRITE 1.1UH		Q1229	8-729-027-38	TRANSISTOR DTA144EKA-T146	
FB1401	1-414-234-22	INDUCTOR CHIP 0UH		Q1300	1-801-806-11	TRANSISTOR DTC144EKA-T146	
FB1630	1-535-143-61	LEAD, JUMPER (5.0MM)		Q1326	8-729-120-28	TRANSISTOR 2SC2412K-T-146-R	
FB1631	1-535-143-61	LEAD, JUMPER (5.0MM)		Q1327	8-729-216-22	TRANSISTOR 2SA1037K-T-146-R	
FB1901	1-414-553-11	FERRITE 0UH		Q1328	8-729-120-28	TRANSISTOR 2SC2412K-T-146-R	
FB1903	1-414-553-11	FERRITE 0UH		Q1329	8-729-216-22	TRANSISTOR 2SA1037K-T-146-R	
FB1904	1-414-553-11	FERRITE 0UH		Q1350	8-729-120-28	TRANSISTOR 2SC2412K-T-146-R	
FB1905	1-414-553-11	FERRITE 0UH		Q1351	8-729-216-22	TRANSISTOR 2SA1037K-T-146-R	
FB1906	1-414-553-11	FERRITE 0UH		Q1601	8-729-120-28	TRANSISTOR 2SC2412K-T-146-R	
FB1907	1-414-553-11	FERRITE 0UH		Q1602	8-729-216-22	TRANSISTOR 2SA1037K-T-146-R	
		< IC >		Q1626	8-729-120-28	TRANSISTOR 2SC2412K-T-146-R	
IC1126	8-759-544-25	IC TDA7482				< RESISTOR >	
IC1151	8-759-544-25	IC TDA7482		JR1203	1-216-296-91	SHORT 0	
IC1176	8-759-333-24	IC LM1876TF		JR1204	8-719-421-57	DIODE MA73-TX	
IC1400	8-752-072-94	IC CXA1875AM-T4		JR1234	1-216-296-91	SHORT 0	
IC1601	8-759-574-76	IC KA78R05-SYDTU		JR1235	1-216-295-91	SHORT 0	
				JR1401	1-216-295-91	SHORT 0	
IC1604	8-759-574-13	IC KA78R09-YDTU					
IC1605	8-759-574-76	IC KA78R05-SYDTU		JR1402	1-216-295-91	SHORT 0	
IC1630	8-759-640-19	IC PQ1CG2032FZ					
IC1631	8-759-640-19	IC PQ1CG2032FZ					
		< COIL >		R1100	1-216-025-91	RES-CHIP 100 5% 1/10W	
				R1101	1-216-057-00	RES-CHIP 2.2K 5% 1/10W	
L1126	1-416-857-11	INDUCTOR 65UH		R1102	1-216-057-00	RES-CHIP 2.2K 5% 1/10W	
L1127	1-414-158-11	INDUCTOR 2.2UH		R1103	1-216-089-91	RES-CHIP 47K 5% 1/10W	
L1128	1-414-158-11	INDUCTOR 2.2UH		R1104	1-216-296-91	SHORT 0	
L1151	1-416-857-11	INDUCTOR 65UH					
L1152	1-414-158-11	INDUCTOR 2.2UH		R1126	1-208-762-91	RES-CHIP 150 0.5% 1/10W	
				R1127	1-216-073-00	RES-CHIP 10K 5% 1/10W	
L1153	1-414-158-11	INDUCTOR 2.2UH		R1128	1-216-041-00	RES-CHIP 470 5% 1/10W	
L1300	1-414-183-41	INDUCTOR 10UH		R1129	1-249-422-11	CARBON 2.7K 5% 1/4W	
L1326	1-414-183-41	INDUCTOR 10UH		R1151	1-208-762-91	RES-CHIP 150 0.5% 1/10W	
L1350	1-414-183-41	INDUCTOR 10UH					
L1630	1-419-249-11	INDUCTOR 15UH		R1152	1-216-075-00	RES-CHIP 12K 5% 1/10W	
				R1153	1-216-041-00	RES-CHIP 470 5% 1/10W	
L1631	1-419-249-11	INDUCTOR 15UH		R1154	1-249-422-11	CARBON 2.7K 5% 1/4W	
L1632	1-419-249-11	INDUCTOR 15UH		R1174	1-249-422-11	CARBON 2.7K 5% 1/4W	
				R1175	1-249-422-11	CARBON 2.7K 5% 1/4W	

REF. NO.	PART.NO	DESCRIPTION	REMARK	REF. NO.	PART.NO	DESCRIPTION	REMARK
R1176	1-216-063-91	RES-CHIP	3.9K 5% 1/10W	R1353	1-216-073-00	RES-CHIP	10K 5% 1/10W
R1177	1-216-063-91	RES-CHIP	3.9K 5% 1/10W	R1354	1-216-025-91	RES-CHIP	100 5% 1/10W
R1178	1-216-357-00	METAL OXIDE	4.7 5% 1W	R1355	1-216-041-00	RES-CHIP	470 5% 1/10W
R1179	1-216-357-00	METAL OXIDE	4.7 5% 1W	R1356	1-216-041-00	RES-CHIP	470 5% 1/10W
R1180	1-216-081-00	RES-CHIP	22K 5% 1/10W	R1357	1-216-041-00	RES-CHIP	470 5% 1/10W
R1181	1-216-045-00	RES-CHIP	680 5% 1/10W	R1405	1-216-025-91	RES-CHIP	100 5% 1/10W
R1182	1-216-081-00	RES-CHIP	22K 5% 1/10W	R1406	1-216-025-91	RES-CHIP	100 5% 1/10W
R1183	1-216-045-00	RES-CHIP	680 5% 1/10W	R1407	1-216-025-91	RES-CHIP	100 5% 1/10W
R1184	1-216-089-91	RES-CHIP	47K 5% 1/10W	R1408	1-216-025-91	RES-CHIP	100 5% 1/10W
R1185	1-216-089-91	RES-CHIP	47K 5% 1/10W	R1409	1-216-025-91	RES-CHIP	100 5% 1/10W
R1201	1-216-089-91	RES-CHIP	47K 5% 1/10W	R1410	1-216-025-91	RES-CHIP	100 5% 1/10W
R1202	1-216-083-00	RES-CHIP	27K 5% 1/10W	R1411	1-216-295-91	SHORT	0
R1203	1-216-083-00	RES-CHIP	27K 5% 1/10W	R1412	1-216-295-91	SHORT	0
R1204	1-216-071-00	RES-CHIP	8.2K 5% 1/10W	R1413	1-216-025-91	RES-CHIP	100 5% 1/10W
R1205	1-216-089-91	RES-CHIP	47K 5% 1/10W	R1420	1-216-073-00	RES-CHIP	10K 5% 1/10W
R1206	1-216-073-00	RES-CHIP	10K 5% 1/10W	R1425	1-216-025-91	RES-CHIP	100 5% 1/10W
R1208	1-216-089-91	RES-CHIP	47K 5% 1/10W	R1601	1-216-057-00	RES-CHIP	2.2K 5% 1/10W
R1209	1-216-065-91	RES-CHIP	4.7K 5% 1/10W	R1602	1-208-822-91	RES-CHIP	47K 0.5% 1/10W
R1210	1-216-089-91	RES-CHIP	47K 5% 1/10W	R1609	1-216-089-91	RES-CHIP	47K 5% 1/10W
R1226	1-216-073-00	RES-CHIP	10K 5% 1/10W	R1610	1-216-065-91	RES-CHIP	4.7K 5% 1/10W
R1227	1-216-073-00	RES-CHIP	10K 5% 1/10W	R1611	1-216-049-91	RES-CHIP	1K 5% 1/10W
R1228	1-216-073-00	RES-CHIP	10K 5% 1/10W	R1612	1-216-073-00	RES-CHIP	10K 5% 1/10W
R1229	1-216-073-00	RES-CHIP	10K 5% 1/10W	R1613	1-216-073-00	RES-CHIP	10K 5% 1/10W
R1230	1-216-055-00	RES-CHIP	1.8K 5% 1/10W	R1617	1-216-295-91	SHORT	0
R1232	1-216-295-91	SHORT	0	R1618	1-216-295-91	SHORT	0
R1233	1-216-049-91	RES-CHIP	1K 5% 1/10W	R1630	1-216-065-91	RES-CHIP	4.7K 5% 1/10W
R1300	1-216-073-00	RES-CHIP	10K 5% 1/10W	R1631	1-216-065-91	RES-CHIP	4.7K 5% 1/10W
R1301	1-216-073-00	RES-CHIP	10K 5% 1/10W	R1632	1-216-651-11	METAL CHIP	1K 0.5% 1/10W
R1326	1-216-025-91	RES-CHIP	100 5% 1/10W	R1633	1-216-652-11	METAL CHIP	1.1K 0.5% 1/10W
R1327	1-216-025-91	RES-CHIP	100 5% 1/10W	R1634	1-216-650-11	METAL CHIP	910 0.5% 1/10W
R1328	1-216-073-00	RES-CHIP	10K 5% 1/10W	R1635	1-216-656-11	METAL CHIP	1.6K 0.5% 1/10W
R1329	1-216-025-91	RES-CHIP	100 5% 1/10W	< TUNER >			
R1330	1-216-041-00	RES-CHIP	470 5% 1/10W	TU1326	1-693-338-21	TUNER/VIF	
R1331	1-216-041-00	RES-CHIP	470 5% 1/10W	TU1350	1-693-338-21	TUNER/VIF	
R1332	1-216-041-00	RES-CHIP	470 5% 1/10W	*A-1634-054-A M1 Board, Complete			
R1333	1-216-075-00	RES-CHIP	12K 5% 1/10W	< CAPACITOR >			
R1334	1-216-069-00	RES-CHIP	6.8K 5% 1/10W	C9100	1-115-340-11	CERAMIC CHIP	0.22UF 10.00% 25V
R1335	1-216-025-91	RES-CHIP	100 5% 1/10W	C9101	1-163-251-11	CERAMIC CHIP	100PF 5.00% 50V
R1336	1-216-041-00	RES-CHIP	470 5% 1/10W	C9102	1-163-251-11	CERAMIC CHIP	100PF 5.00% 50V
R1337	1-216-041-00	RES-CHIP	470 5% 1/10W	C9104	1-104-664-11	ELECT	47UF 20.00% 25V
R1338	1-216-001-00	RES-CHIP	10 5% 1/10W	C9105	1-164-004-11	CERAMIC CHIP	0.1UF 10.00% 25V
R1339	1-216-041-00	RES-CHIP	470 5% 1/10W	C9110	1-165-321-11	CERAMIC CHIP	0.68UF 10.00% 16V
R1340	1-216-043-91	RES-CHIP	560 5% 1/10W	C9111	1-164-157-11	CERAMIC CHIP	0.068UF 10.00% 25V
R1342	1-216-073-00	RES-CHIP	10K 5% 1/10W	C9112	1-164-004-11	CERAMIC CHIP	0.1UF 10.00% 25V
R1350	1-216-073-00	RES-CHIP	10K 5% 1/10W				
R1351	1-216-025-91	RES-CHIP	100 5% 1/10W				
R1352	1-216-025-91	RES-CHIP	100 5% 1/10W				

REF.NO.	PART.NO	DESCRIPTION	REMARK	REF.NO.	PART.NO	DESCRIPTION	REMARK
C9113	1-164-004-11	CERAMIC CHIP 0.1UF	10.00% 25V	D9103	8-719-988-61	DIODE 1SS355TE-17	
C9114	1-164-004-11	CERAMIC CHIP 0.1UF	10.00% 25V	D9104	8-719-056-83	DIODE UDZ-TE-17-6.8B	
C9115	1-115-340-11	CERAMIC CHIP 0.22UF	10.00% 25V	D9105	8-719-914-43	DIODE DAN202K-T-146	
C9117	1-164-004-11	CERAMIC CHIP 0.1UF	10.00% 25V	D9107	8-719-025-31	DIODE 02CZ5.6-TE85L	
C9118	1-104-664-11	ELECT 47UF	20.00% 25V				
						< FILTER >	
C9119	1-163-259-91	CERAMIC CHIP 220PF	5.00% 50V	FL9101	1-236-071-11	ENCAPSULATED COMPONENT	
C9121	1-163-251-11	CERAMIC CHIP 100PF	5.00% 50V	FL9500	1-236-071-11	ENCAPSULATED COMPONENT	
C9122	1-115-340-11	CERAMIC CHIP 0.22UF	10.00% 25V	FL9501	1-236-071-11	ENCAPSULATED COMPONENT	
C9123	1-164-004-11	CERAMIC CHIP 0.1UF	10.00% 25V				
C9124	1-164-004-11	CERAMIC CHIP 0.1UF	10.00% 25V			< IC >	
C9125	1-164-004-11	CERAMIC CHIP 0.1UF	10.00% 25V	IC9100	8-759-988-13	IC LM393PS-E20	
C9126	1-163-105-00	CERAMIC CHIP 33PF	5.00% 50V	IC9104	8-759-259-18	IC MB3793-42PNF-ER	
C9127	1-163-105-00	CERAMIC CHIP 33PF	5.00% 50V	IC9105	8-759-544-30	IC SAB-C161R1-LM	
C9128	1-163-105-00	CERAMIC CHIP 33PF	5.00% 50V	IC9107	8-759-395-27	IC TC55257DFTL-70V-EL	
C9129	1-163-105-00	CERAMIC CHIP 33PF	5.00% 50V	IC9108	8-759-564-06	IC M24C32-MN6T	
C9130	1-163-105-00	CERAMIC CHIP 33PF	5.00% 50V	IC9109	8-759-597-95	IC M27C800-100K1-AE513	
C9131	1-163-105-00	CERAMIC CHIP 33PF	5.00% 50V	IC9110	8-759-559-96	IC HEF4094BT	
C9132	1-164-004-11	CERAMIC CHIP 0.1UF	10.00% 25V	IC9400	8-759-680-29	IC M29F040B-70N1T	
C9400	1-115-340-11	CERAMIC CHIP 0.22UF	10.00% 25V	IC9500	8-759-991-85	IC 74F00SJX	
C9500	1-104-664-11	ELECT 47UF	20.00% 25V	IC9501	8-759-666-17	IC MSM5116400D-60SJRI	
C9502	1-104-664-11	ELECT 47UF	20.00% 25V	IC9502	8-759-665-84	IC SDA5275-3PC02-22	
C9503	1-126-964-11	ELECT 10UF	20.00% 50V				
C9504	1-164-004-11	CERAMIC CHIP 0.1UF	10.00% 25V			< COIL >	
C9505	1-104-665-11	ELECT 100UF	20.00% 25V				
C9506	1-163-251-11	CERAMIC CHIP 100PF	5.00% 50V	L9400	1-412-029-11	INDUCTOR CHIP 10UH	
				L9401	1-412-029-11	INDUCTOR CHIP 10UH	
C9507	1-115-340-11	CERAMIC CHIP 0.22UF	10.00% 25V				
C9508	1-115-340-11	CERAMIC CHIP 0.22UF	10.00% 25V			< TRANSISTOR >	
C9509	1-163-251-11	CERAMIC CHIP 100PF	5.00% 50V				
C9510	1-115-340-11	CERAMIC CHIP 0.22UF	10.00% 25V	Q9100	8-729-120-28	TRANSISTOR 2SC2412K-T-146-R	
C9511	1-164-004-11	CERAMIC CHIP 0.1UF	10.00% 25V	Q9102	8-729-216-22	TRANSISTOR 2SA1037K-T-146-R	
				Q9101	8-729-120-28	TRANSISTOR 2SC2412K-T-146-R	
C9512	1-164-004-11	CERAMIC CHIP 0.1UF	10.00% 25V	Q9103	8-729-120-28	TRANSISTOR 2SC2412K-T-146-R	
C9513	1-164-004-11	CERAMIC CHIP 0.1UF	10.00% 25V	Q9105	8-729-120-28	TRANSISTOR 2SC2412K-T-146-R	
C9514	1-163-235-11	CERAMIC CHIP 22PF	5.00% 50V				
C9515	1-163-235-11	CERAMIC CHIP 22PF	5.00% 50V	Q9106	8-729-027-46	TRANSISTOR DTC114YKA-T146	
C9516	1-163-251-11	CERAMIC CHIP 100PF	5.00% 50V	Q9107	8-729-027-46	TRANSISTOR DTC114YKA-T146	
				Q9108	8-729-027-46	TRANSISTOR DTC114YKA-T146	
C9517	1-163-009-11	CERAMIC CHIP 0.001UF	10.00% 50V	Q9109	8-729-027-46	TRANSISTOR DTC114YKA-T146	
C9518	1-115-340-11	CERAMIC CHIP 0.22UF	10.00% 25V	Q9110	8-729-120-28	TRANSISTOR 2SC2412K-T-146-R	
C9519	1-126-964-11	ELECT 10UF	20.00% 50V				
C9520	1-163-251-11	CERAMIC CHIP 100PF	5.00% 50V	Q9500	8-729-216-22	TRANSISTOR 2SA1037K-T-146-R	
				Q9501	8-729-216-22	TRANSISTOR 2SA1037K-T-146-R	
				Q9502	8-729-216-22	TRANSISTOR 2SA1037K-T-146-R	
				Q9503	1-801-806-11	TRANSISTOR DTC144EKA-T146	
				Q9504	1-801-806-11	TRANSISTOR DTC144EKA-T146	
						< RESISTOR >	
D9100	8-719-988-61	DIODE 1SS355TE-17		R9100	1-216-073-00	RES-CHIP 10K 5% 1/10W	
D9101	8-719-988-61	DIODE 1SS355TE-17		R9101	1-216-033-00	RES-CHIP 220 5% 1/10W	
D9102	8-719-988-61	DIODE 1SS355TE-17					

REF. NO.	PART.NO	DESCRIPTION	REMARK	REF. NO.	PART.NO	DESCRIPTION	REMARK
R9102	1-216-033-00	RES-CHIP	220 5% 1/10W	R9175	1-216-025-91	RES-CHIP	100 5% 1/10W
R9103	1-216-025-91	RES-CHIP	100 5% 1/10W	R9176	1-216-025-91	RES-CHIP	100 5% 1/10W
R9104	1-216-073-00	RES-CHIP	10K 5% 1/10W	R9177	1-216-025-91	RES-CHIP	100 5% 1/10W
R9105	1-216-073-00	RES-CHIP	10K 5% 1/10W	R9178	1-216-025-91	RES-CHIP	100 5% 1/10W
R9106	1-216-073-00	RES-CHIP	10K 5% 1/10W	R9179	1-216-097-91	RES-CHIP	100K 5% 1/10W
R9107	1-216-025-91	RES-CHIP	100 5% 1/10W	R9184	1-216-025-91	RES-CHIP	100 5% 1/10W
R9108	1-216-025-91	RES-CHIP	100 5% 1/10W	R9185	1-216-025-91	RES-CHIP	100 5% 1/10W
R9109	1-216-073-00	RES-CHIP	10K 5% 1/10W	R9186	1-216-025-91	RES-CHIP	100 5% 1/10W
R9110	1-216-081-00	RES-CHIP	22K 5% 1/10W	R9187	1-216-065-91	RES-CHIP	4.7K 5% 1/10W
R9111	1-216-025-91	RES-CHIP	100 5% 1/10W	R9188	1-216-073-00	RES-CHIP	10K 5% 1/10W
R9112	1-216-025-91	RES-CHIP	100 5% 1/10W	R9189	1-216-025-91	RES-CHIP	100 5% 1/10W
R9113	1-216-033-00	RES-CHIP	220 5% 1/10W	R9191	1-216-025-91	RES-CHIP	100 5% 1/10W
R9114	1-216-083-00	RES-CHIP	27K 5% 1/10W	R9192	1-216-025-91	RES-CHIP	100 5% 1/10W
R9115	1-216-081-00	RES-CHIP	22K 5% 1/10W	R9193	1-216-097-91	RES-CHIP	100K 5% 1/10W
R9116	1-216-073-00	RES-CHIP	10K 5% 1/10W	R9194	1-216-097-91	RES-CHIP	100K 5% 1/10W
R9117	1-216-073-00	RES-CHIP	10K 5% 1/10W	R9195	1-216-097-91	RES-CHIP	100K 5% 1/10W
R9119	1-216-073-00	RES-CHIP	10K 5% 1/10W	R9196	1-216-073-00	RES-CHIP	10K 5% 1/10W
R9120	1-216-073-00	RES-CHIP	10K 5% 1/10W	R9197	1-216-073-00	RES-CHIP	10K 5% 1/10W
R9121	1-216-017-91	RES-CHIP	47 5% 1/10W	R9500	1-216-295-91	SHORT	0
R9122	1-216-049-91	RES-CHIP	1K 5% 1/10W	R9501	1-216-295-91	SHORT	0
R9123	1-216-073-00	RES-CHIP	10K 5% 1/10W	R9502	1-216-295-91	SHORT	0
R9127	1-216-049-91	RES-CHIP	1K 5% 1/10W	R9504	1-216-041-00	RES-CHIP	470 5% 1/10W
R9128	1-216-097-91	RES-CHIP	100K 5% 1/10W	R9505	1-216-051-00	RES-CHIP	1.2K 5% 1/10W
R9135	1-216-295-91	SHORT	0	R9506	1-216-073-00	RES-CHIP	10K 5% 1/10W
R9138	1-216-049-91	RES-CHIP	1K 5% 1/10W	R9507	1-216-097-91	RES-CHIP	100K 5% 1/10W
R9140	1-216-057-00	RES-CHIP	2.2K 5% 1/10W	R9508	1-216-017-91	RES-CHIP	47 5% 1/10W
R9141	1-216-049-91	RES-CHIP	1K 5% 1/10W	R9509	1-216-049-91	RES-CHIP	1K 5% 1/10W
R9142	1-216-041-00	RES-CHIP	470 5% 1/10W	R9510	1-216-017-91	RES-CHIP	47 5% 1/10W
R9143	1-216-049-91	RES-CHIP	1K 5% 1/10W	R9511	1-216-049-91	RES-CHIP	1K 5% 1/10W
R9144	1-216-057-00	RES-CHIP	2.2K 5% 1/10W	R9512	1-216-017-91	RES-CHIP	47 5% 1/10W
R9145	1-216-049-91	RES-CHIP	1K 5% 1/10W	R9513	1-216-017-91	RES-CHIP	47 5% 1/10W
R9146	1-216-049-91	RES-CHIP	1K 5% 1/10W	R9514	1-216-017-91	RES-CHIP	47 5% 1/10W
R9147	1-216-049-91	RES-CHIP	1K 5% 1/10W	R9515	1-216-295-91	SHORT	0
R9148	1-216-073-00	RES-CHIP	10K 5% 1/10W	R9516	1-216-295-91	SHORT	0
R9149	1-216-025-91	RES-CHIP	100 5% 1/10W	R9517	1-216-295-91	SHORT	0
R9150	1-216-025-91	RES-CHIP	100 5% 1/10W	R9518	1-216-049-91	RES-CHIP	1K 5% 1/10W
R9151	1-216-025-91	RES-CHIP	100 5% 1/10W	R9519	1-216-039-00	RES-CHIP	390 5% 1/10W
R9153	1-216-025-91	RES-CHIP	100 5% 1/10W	R9520	1-216-039-00	RES-CHIP	390 5% 1/10W
R9159	1-216-069-00	RES-CHIP	6.8K 5% 1/10W	R9521	1-216-039-00	RES-CHIP	390 5% 1/10W
R9161	1-216-069-00	RES-CHIP	6.8K 5% 1/10W	R9522	1-216-295-91	SHORT	0
R9162	1-216-069-00	RES-CHIP	6.8K 5% 1/10W	R9523	1-216-295-91	SHORT	0
R9164	1-216-069-00	RES-CHIP	6.8K 5% 1/10W	R9524	1-216-295-91	SHORT	0
R9166	1-216-073-00	RES-CHIP	10K 5% 1/10W	R9525	1-216-057-00	RES-CHIP	2.2K 5% 1/10W
R9168	1-216-069-00	RES-CHIP	6.8K 5% 1/10W	R9526	1-216-057-00	RES-CHIP	2.2K 5% 1/10W
R9172	1-216-069-00	RES-CHIP	6.8K 5% 1/10W	R9527	1-216-057-00	RES-CHIP	2.2K 5% 1/10W
R9173	1-216-295-91	SHORT	0	R9528	1-216-025-91	RES-CHIP	100 5% 1/10W
R9174	1-216-025-91	RES-CHIP	100 5% 1/10W	R9529	1-216-025-91	RES-CHIP	100 5% 1/10W

M1

C

The components identified by shading and marked Δ are critical for safety
Replace only with the part number specified.

REF.NO.	PART.NO	DESCRIPTION	REMARK
R9530	1-216-025-91	RES-CHIP 100 5%	1/10W
R9531	1-216-295-91	SHORT 0	
< CRYSTAL >			
X9101	1-781-107-21	VIBRATOR, CERAMIC	
X9500	1-760-551-21	VIBRATOR, CERAMIC	
*A-1638-131-A C Board, Complete			
	4-382-854-11	SCREW (M3X10), P, SW (+)	
< CAPACITOR >			
C5301	1-163-075-00	CERAMIC CHIP 0.047UF	50V
C5302	1-128-528-11	ELECT 470UF	20.00% 16V
C5303	1-163-087-00	CERAMIC CHIP 4PF	0.25PF 50V
C5304	1-107-967-11	ELECT 1UF	20.00% 400V
C5305	1-136-207-11	MYLAR 0.047UF	10.00% 400V
C5306	1-163-017-00	CERAMIC CHIP 0.0047UF	10.00% 50V
C5307	1-163-233-11	CERAMIC CHIP 18PF	5.00% 50V
C5308	1-163-089-00	CERAMIC CHIP 6PF	0.50PF 50V
C5309	1-163-035-00	CERAMIC CHIP 0.047UF	50V
C5310	1-163-113-00	CERAMIC CHIP 68PF	5.00% 50V
C5325	1-163-087-00	CERAMIC CHIP 4PF	0.25PF 50V
C5326	1-163-017-00	CERAMIC CHIP 0.0047UF	10.00% 50V
C5328	1-128-528-11	ELECT 470UF	20.00% 16V
C5329	1-107-967-11	ELECT 1UF	20.00% 400V
C5330	1-136-207-11	MYLAR 0.047UF	10.00% 400V
C5331	1-163-089-00	CERAMIC CHIP 6PF	0.50PF 50V
C5332	1-163-231-91	CERAMIC CHIP 15PF	5% 50V
C5333	1-163-035-00	CERAMIC CHIP 0.047UF	50V
C5334	1-163-113-00	CERAMIC CHIP 68PF	5.00% 50V
C5350	1-107-907-11	ELECT 22UF	20.00% 50V
C5351	1-163-087-00	CERAMIC CHIP 4PF	0.25PF 50V
C5352	1-163-017-00	CERAMIC CHIP 0.0047UF	10.00% 50V
C5353	1-163-075-00	CERAMIC CHIP 0.047UF	50V
C5354	1-128-528-11	ELECT 470UF	20.00% 16V
C5355	1-107-967-11	ELECT 1UF	20.00% 400V
C5356	1-136-207-11	MYLAR 0.047UF	10.00% 400V
C5357	1-163-231-11	CERAMIC CHIP 15PF	5.00% 50V
C5358	1-163-087-00	CERAMIC CHIP 4PF	0.25PF 50V
C5359	1-163-035-00	CERAMIC CHIP 0.047UF	50V
C5360	1-163-113-00	CERAMIC CHIP 68PF	5.00% 50V
C5375	1-107-902-11	ELECT 1UF	20.00% 50V
C5376	1-102-106-00	CERAMIC 100PF	10.00% 50V
C5377	1-104-331-11	CERAMIC 0.0022UF	10.00% 1KV
C5378	1-162-116-00	CERAMIC 680PF	10.00% 2KV
C5379	1-162-114-00	CERAMIC 0.0047UF	2KV

REF.NO.	PART.NO	DESCRIPTION	REMARK
C5380	1-107-652-11	ELECT 10UF	20.00% 250V
C5381	1-117-214-11	CERAMIC 0.001UF	10.00% 2KV
C5382	1-162-114-00	CERAMIC 0.0047UF	2KV
< CONNECTOR >			
CN5400	1-564-511-11	PLUG, CONNECTOR 8P	
CN5511	1-695-915-11	TAB (CONTACT)	
CN5600	1-508-766-00	PIN, CONNECTOR (5MM PITCH) 4P	
< DIODE >			
D5300	8-719-911-19	DIODE 1SS119-25TD	
D5302	8-719-901-83	DIODE 1SS83TD	
D5325	8-719-911-19	DIODE 1SS119-25TD	
D5327	8-719-901-83	DIODE 1SS83TD	
D5350	8-719-911-19	DIODE 1SS119-25TD	
D5351	8-719-991-33	DIODE 1SS133T-77	
D5353	8-719-901-83	DIODE 1SS83TD	
D5375	8-719-991-33	DIODE 1SS133T-77	
D5376	8-719-991-33	DIODE 1SS133T-77	
D5377	8-719-908-03	DIODE GP08DPKG23	
D5378	8-719-921-88	DIODE MTZJ-T-77-13B	
D5379	8-719-982-96	DIODE MTZJ-T-77-2.2A	
D5380	8-719-982-96	DIODE MTZJ-T-77-2.2A	
D5381	8-719-031-34	DIODE RGP02-20EG23	
< IC >			
IC5300	8-759-360-83	IC TDA6111Q/N4	
IC5325	8-759-360-83	IC TDA6111Q/N4	
IC5350	8-759-360-83	IC TDA6111Q/N4	
< SOCKET >			
J5375 Δ	1-540-071-22	SOCKET, CRT	
< COIL >			
L5300	1-408-591-11	INDUCTOR 1UH	
L5325	1-408-591-11	INDUCTOR 1UH	
L5350	1-408-591-11	INDUCTOR 1UH	
L5375	1-410-671-31	INDUCTOR 47UH	
L5376	1-532-637-00	LINK, IC 1A/150V	
L5377	1-414-183-41	INDUCTOR 10UH	
< TRANSISTOR >			
Q5300	8-729-255-12	TRANSISTOR 2SC25510-TPE2	
Q5301	8-729-216-22	TRANSISTOR 2SB709A-QRS-TX	
Q5325	8-729-255-12	TRANSISTOR 2SC25510-TPE2	
Q5326	8-729-216-22	TRANSISTOR 2SB709A-QRS-TX	
Q5350	8-729-029-56	TRANSISTOR DTA144ESA-TP	

REF. NO.	PART.NO	DESCRIPTION	REMARK	REF. NO.	PART.NO	DESCRIPTION	REMARK
Q5351	8-729-255-12	TRANSISTOR 2SC25510-TPE2		R5379	1-249-438-11	CARBON 56K 5%	1/4W
Q5352	8-729-216-22	TRANSISTOR 2SB709A-QRS-TX		R5380	1-249-433-11	CARBON 22K 5%	1/4W
Q5375	8-729-119-78	TRANSISTOR 2SC1740S-RT		R5381	1-216-055-00	RES-CHIP 1.8K 5%	1/10W
Q5376	8-729-026-39	TRANSISTOR 2SA933AS-RT		R5382	1-202-549-00	SOLID 100 20%	1/2W
< RESISTOR >				R5383	1-535-143-51	LEAD, JUMPER (20.0MM)	
R5300	1-249-417-11	CARBON 1K 5%	1/4W	R5384	1-535-143-51	LEAD, JUMPER (20.0MM)	
R5301	1-247-807-31	CARBON 100 5%	1/4W	R5385	1-202-549-00	SOLID 100 20%	1/2W
R5302	1-535-143-61	LEAD, JUMPER (5.0MM)		R5386	1-202-884-11	SOLID 820K 20%	1/2W
R5303	1-208-790-91	RES-CHIP 2.2K 0.5%	1/10W	R5387	1-202-884-11	SOLID 820K 20%	1/2W
R5304	1-202-557-00	SOLID 220 20%	1/2W	R5388	1-215-911-11	METAL OXIDE 100 5%	3W
R5305	1-215-929-11	METAL OXIDE 100K 5%	3W	R5389	1-249-417-11	CARBON 1K 5%	1/4W
R5306	1-249-424-11	CARBON 3.9K 5%	1/4W	< VARIABLE RESISTOR >			
R5307	1-249-433-11	CARBON 22K 5%	1/4W	RV5375	1-241-656-21	RES, ADJ, METAL FILM 110M	
R5308	1-216-057-00	RES-CHIP 2.2K 5%	1/10W	RV5376	1-230-641-11	RES, ADJ, METAL GLAZE 2.2M	
R5309	1-216-658-11	METAL CHIP 2K 0.5%	1/10W	*A-1640-386-A E Board, Complete			
R5310	1-216-059-00	RES-CHIP 2.7K 5%	1/10W	< CAPACITOR >			
R5325	1-249-417-11	CARBON 1K 5%	1/4W	C4316	1-104-664-11	ELECT 47UF	20.00% 25V
R5326	1-247-807-31	CARBON 100 5%	1/4W	C4317	1-164-004-11	CERAMIC CHIP 0.1UF	10.00% 25V
R5327	1-535-143-61	LEAD, JUMPER (5.0MM)		C4318	1-164-004-11	CERAMIC CHIP 0.1UF	10.00% 25V
R5328	1-208-790-91	RES-CHIP 2.2K 0.5%	1/10W	C4319	1-164-004-11	CERAMIC CHIP 0.1UF	10.00% 25V
R5329	1-202-557-00	SOLID 220 20%	1/2W	C4320	1-164-004-11	CERAMIC CHIP 0.1UF	10.00% 25V
R5330	1-215-929-11	METAL OXIDE 100K 5%	3W	C4321	1-164-004-11	CERAMIC CHIP 0.1UF	10.00% 25V
R5331	1-249-424-11	CARBON 3.9K 5%	1/4W	C4322	1-164-004-11	CERAMIC CHIP 0.1UF	10.00% 25V
R5332	1-249-433-11	CARBON 22K 5%	1/4W	C4324	1-164-004-11	CERAMIC CHIP 0.1UF	10.00% 25V
R5333	1-216-057-00	RES-CHIP 2.2K 5%	1/10W	C4325	1-163-093-00	CERAMIC CHIP 10PF	5.00% 50V
R5334	1-216-059-00	RES-CHIP 2.7K 5%	1/10W	C4329	1-126-963-11	ELECT 4.7UF	20.00% 50V
R5335	1-216-658-11	METAL CHIP 2K 0.5%	1/10W	C4330	1-136-621-51	FILM 0.1UF	5.00% 50V
R5350	1-249-417-11	CARBON 1K 5%	1/4W	C4331	1-126-959-11	ELECT 0.47UF	20.00% 50V
R5351	1-247-807-31	CARBON 100 5%	1/4W	C4332	1-164-004-11	CERAMIC CHIP 0.1UF	10.00% 25V
R5352	1-249-416-11	CARBON 820 5%	1/4W	C4333	1-164-004-11	CERAMIC CHIP 0.1UF	10.00% 25V
R5353	1-249-421-11	CARBON 2.2K 5%	1/4W	C4334	1-126-967-11	ELECT 47UF	20.00% 50V
R5354	1-249-418-11	CARBON 1.2K 5%	1/4W	C4336	1-126-967-11	ELECT 47UF	20.00% 50V
R5355	1-535-143-61	LEAD, JUMPER (5.0MM)		C4338	1-164-004-11	CERAMIC CHIP 0.1UF	10.00% 25V
R5356	1-208-790-91	RES-CHIP 2.2K 0.5%	1/10W	C4340	1-126-967-11	ELECT 47UF	20.00% 50V
R5357	1-202-557-00	SOLID 220 20%	1/2W	C4342	1-163-021-91	CERAMIC CHIP 0.01UF	10.00% 50V
R5358	1-215-929-11	METAL OXIDE 100K 5%	3W	C4343	1-164-004-11	CERAMIC CHIP 0.1UF	10.00% 25V
R5359	1-249-433-11	CARBON 22K 5%	1/4W	C4344	1-163-809-11	CERAMIC CHIP 0.047UF	10.00% 25V
R5360	1-249-424-11	CARBON 3.9K 5%	1/4W	C4345	1-126-967-11	ELECT 47UF	20.00% 50V
R5361	1-249-431-11	CARBON 15K 5%	1/4W	C4346	1-164-004-11	CERAMIC CHIP 0.1UF	10.00% 25V
R5362	1-216-057-00	RES-CHIP 2.2K 5%	1/10W	C4347	1-164-004-11	CERAMIC CHIP 0.1UF	10.00% 25V
R5363	1-216-059-00	RES-CHIP 2.7K 5%	1/10W	C4348	1-164-004-11	CERAMIC CHIP 0.1UF	10.00% 25V
R5364	1-216-658-11	METAL CHIP 2K 0.5%	1/10W	C4349	1-164-004-11	CERAMIC CHIP 0.1UF	10.00% 25V
R5375	1-249-435-11	CARBON 33K 5%	1/4W	C4350	1-164-004-11	CERAMIC CHIP 0.1UF	10.00% 25V
R5376	1-249-429-11	CARBON 10K 5%	1/4W	C4351	1-163-009-11	CERAMIC CHIP 0.001UF	10.00% 50V
R5377	1-249-430-11	CARBON 12K 5%	1/4W				
R5378	1-249-429-11	CARBON 10K 5%	1/4W				



REF.NO.	PART.NO	DESCRIPTION	REMARK	REF.NO.	PART.NO	DESCRIPTION	REMARK
C4352	1-126-967-11	ELECT 47UF	20.00% 50V	< FERRITE BEAD >			
C4353	1-107-823-11	CERAMIC CHIP 0.47UF	10.00% 16V	FB4387	1-414-234-22	INDUCTOR CHIP 0UH	
C4354	1-107-823-11	CERAMIC CHIP 0.47UF	10.00% 16V	FB4388	1-414-234-22	INDUCTOR CHIP 0UH	
C4355	1-164-004-11	CERAMIC CHIP 0.1UF	10.00% 25V	FB4389	1-414-234-22	INDUCTOR CHIP 0UH	
C4356	1-164-004-11	CERAMIC CHIP 0.1UF	10.00% 25V	< IC >			
C4357	1-164-004-11	CERAMIC CHIP 0.1UF	10.00% 25V	IC4301	8-752-090-88	IC CXA2100AQ-TL	
C4358	1-164-004-11	CERAMIC CHIP 0.1UF	10.00% 25V	IC4701	8-759-251-31	IC CA0007AM	
C4359	1-164-161-11	CERAMIC CHIP 0.0022UF	10.00% 50V	IC4702	8-759-998-98	IC LM358DR	
C4360	1-126-963-11	ELECT 4.7UF	20.00% 50V	IC4703	8-759-991-41	IC L78L05ACZ-AP	
C4362	1-164-004-11	CERAMIC CHIP 0.1UF	10.00% 25V	< COIL >			
C4363	1-126-967-11	ELECT 47UF	20.00% 50V	L4301	1-414-183-41	INDUCTOR 10UH	
C4364	1-126-967-11	ELECT 47UF	20.00% 50V	L4302	1-414-183-41	INDUCTOR 10UH	
C4366	1-163-059-91	CERAMIC CHIP 0.01UF	10.00% 50V	L4303	1-414-183-41	INDUCTOR 10UH	
C4367	1-164-004-11	CERAMIC CHIP 0.1UF	10.00% 25V	L4304	1-414-183-41	INDUCTOR 10UH	
C4369	1-164-004-11	CERAMIC CHIP 0.1UF	10.00% 25V	L4305	1-414-183-41	INDUCTOR 10UH	
C4370	1-126-967-11	ELECT 47UF	20.00% 50V	L4306	1-414-183-41	INDUCTOR 10UH	
C4371	1-164-004-11	CERAMIC CHIP 0.1UF	10.00% 25V	L4308	1-414-186-31	INDUCTOR 33UH	
C4377	1-126-960-11	ELECT 1UF	20.00% 50V	L4309	1-414-186-31	INDUCTOR 33UH	
C4380	1-163-005-11	CERAMIC CHIP 470PF	10.00% 50V	< TRANSISTOR >			
C4519	1-164-004-11	CERAMIC CHIP 0.1UF	10.00% 25V	Q4304	8-729-026-49	TRANSISTOR 2SA1037AK-T146-R	
C4701	1-126-964-11	ELECT 10UF	20.00% 50V	Q4307	8-729-026-49	TRANSISTOR 2SA1037AK-T146-R	
C4702	1-126-964-11	ELECT 10UF	20.00% 50V	Q4308	8-729-026-49	TRANSISTOR 2SA1037AK-T146-R	
C4703	1-164-004-11	CERAMIC CHIP 0.1UF	10.00% 25V	Q4309	8-729-026-49	TRANSISTOR 2SA1037AK-T146-R	
C4704	1-164-004-11	CERAMIC CHIP 0.1UF	10.00% 25V	Q4310	8-729-026-49	TRANSISTOR 2SA1037AK-T146-R	
C4705	1-126-964-11	ELECT 10UF	20.00% 50V	Q4311	8-729-026-49	TRANSISTOR 2SA1037AK-T146-R	
C4706	1-163-009-11	CERAMIC CHIP 0.001UF	10.00% 50V	Q4312	8-729-026-49	TRANSISTOR 2SA1037AK-T146-R	
C4707	1-163-009-11	CERAMIC CHIP 0.001UF	10.00% 50V	Q4313	8-729-026-49	TRANSISTOR 2SA1037AK-T146-R	
C4708	1-163-009-11	CERAMIC CHIP 0.001UF	10.00% 50V	Q4315	1-801-806-11	TRANSISTOR DTC144EKA-T146	
C4709	1-163-009-11	CERAMIC CHIP 0.001UF	10.00% 50V	Q4316	8-729-120-28	TRANSISTOR 2SC2412K-T-146-R	
C4710	1-164-004-11	CERAMIC CHIP 0.01UF	10.00% 25V	Q4317	8-729-900-53	TRANSISTOR DTC114EKA-T146	
C4712	1-126-961-11	ELECT 2.2UF	20.00% 50V	Q4318	8-729-026-49	TRANSISTOR 2SA1037AK-T146-R	
C4713	1-164-004-11	CERAMIC CHIP 0.1UF	10.00% 25V	Q4701	8-729-026-49	TRANSISTOR 2SA1037AK-T146-R	
< CONNECTOR >				Q4702	8-729-026-49	TRANSISTOR 2SA1037AK-T146-R	
CN4101	1-695-301-11	CONNECTOR, BOARD TO BOARD 40P		Q4703	8-729-026-49	TRANSISTOR 2SA1037AK-T146-R	
CN4500	*1-564-511-11	PLUG, CONNECTOR 8P		< RESISTOR >			
CN4502	*1-568-878-51	PIN, CONNECTOR 3P		R4301	1-216-025-91	RES-CHIP 100 5% 1/10W	
< DIODE >				R4302	1-216-025-91	RES-CHIP 100 5% 1/10W	
D4304	8-719-923-60	DIODE MTZJ-T-77-9.1		R4303	1-216-025-91	RES-CHIP 100 5% 1/10W	
D4305	8-719-923-60	DIODE MTZJ-T-77-9.1		R4304	1-216-025-91	RES-CHIP 100 5% 1/10W	
D4311	8-719-914-43	DIODE DAN202K-T-146		R4305	1-216-025-91	RES-CHIP 100 5% 1/10W	
D4312	8-719-914-43	DIODE DAN202K-T-146		R4306	1-216-025-91	RES-CHIP 100 5% 1/10W	
D4313	8-719-401-63	DIODE MA3062M-TX		R4307	1-216-045-00	RES-CHIP 680 5% 1/10W	
D4702	8-719-914-43	DIODE DAN202K-T-146		R4308	1-216-045-00	RES-CHIP 680 5% 1/10W	

REF. NO.	PART.NO	DESCRIPTION	REMARK	REF. NO.	PART.NO	DESCRIPTION	REMARK
R4309	1-216-045-00	RES-CHIP	680 5% 1/10W	R4384	1-216-025-91	RES-CHIP	100 5% 1/10W
R4313	1-216-065-91	RES-CHIP	4.7K 5% 1/10W	R4387	1-216-031-00	RES-CHIP	180 5% 1/10W
R4314	1-216-057-00	RES-CHIP	2.2K 5% 1/10W	R4388	1-216-031-00	RES-CHIP	180 5% 1/10W
R4315	1-216-295-91	SHORT	0	R4389	1-216-031-00	RES-CHIP	180 5% 1/10W
R4316	1-216-295-91	SHORT	0	R4394	1-216-025-91	RES-CHIP	100 5% 1/10W
R4317	1-216-295-91	SHORT	0	R4395	1-216-295-91	SHORT	0
R4318	1-216-295-91	SHORT	0	R4396	1-216-295-91	SHORT	0
R4334	1-216-025-91	RES-CHIP	100 5% 1/10W	R4398	1-216-025-91	RES-CHIP	100 5% 1/10W
R4335	1-216-025-91	RES-CHIP	100 5% 1/10W	R4399	1-216-025-91	RES-CHIP	100 5% 1/10W
R4336	1-216-025-91	RES-CHIP	100 5% 1/10W	R4401	1-216-113-00	RES-CHIP	470K 5% 1/10W
R4337	1-216-025-91	RES-CHIP	100 5% 1/10W	R4402	1-216-125-00	RES-CHIP	1.5M 5% 1/10W
R4339	1-216-049-91	RES-CHIP	1K 5% 1/10W	R4403	1-216-073-00	RES-CHIP	10K 5% 1/10W
R4340	1-216-111-00	RES-CHIP	390K 5% 1/10W	R4404	1-216-073-00	RES-CHIP	10K 5% 1/10W
R4341	1-216-295-91	SHORT	0	R4405	1-216-689-11	RES-CHIP	39K 5% 1/10W
R4343	1-216-025-91	RES-CHIP	100 5% 1/10W	R4406	1-216-105-91	RES-CHIP	220K 5% 1/10W
R4344	1-216-025-91	RES-CHIP	100 5% 1/10W	R4407	1-216-091-00	RES-CHIP	56K 5% 1/10W
R4345	1-216-677-11	METAL CHIP	12K 0.5% 1/10W	R4518	1-216-025-91	RES-CHIP	100 5% 1/10W
R4346	1-216-681-11	METAL CHIP	18K 0.5% 1/10W	R4519	1-216-073-00	RES-CHIP	10K 5% 1/10W
R4347	1-216-025-91	RES-CHIP	100 5% 1/10W	R4520	1-216-295-91	SHORT	0
R4348	1-216-025-91	RES-CHIP	100 5% 1/10W	R4521	1-216-295-91	SHORT	0
R4350	1-216-025-91	RES-CHIP	100 5% 1/10W	R4522	1-216-073-00	RES-CHIP	10K 5% 1/10W
R4354	1-216-675-91	METAL CHIP	10K 0.5% 1/10W	R4701	1-216-691-11	METAL CHIP	47K 0.5% 1/10W
R4355	1-216-009-91	RES-CHIP	22 5% 1/10W	R4702	1-216-691-11	METAL CHIP	47K 0.5% 1/10W
R4356	1-216-009-91	RES-CHIP	22 5% 1/10W	R4703	1-216-651-11	METAL CHIP	1K 0.5% 1/10W
R4357	1-216-009-91	RES-CHIP	22 5% 1/10W	R4704	1-216-651-11	METAL CHIP	1K 0.5% 1/10W
R4358	1-216-071-00	RES-CHIP	8.2K 5% 1/10W	R4705	1-216-695-11	METAL CHIP	68K 0.5% 1/10W
R4359	1-216-041-00	RES-CHIP	470 5% 1/10W	R4706	1-216-693-11	METAL CHIP	56K 0.5% 1/10W
R4360	1-216-057-00	RES-CHIP	2.2K 5% 1/10W	R4707	1-216-695-11	METAL CHIP	68K 0.5% 1/10W
R4361	1-216-133-00	RES-CHIP	3.3M 5% 1/10W	R4708	1-216-693-11	METAL CHIP	56K 0.5% 1/10W
R4363	1-216-025-91	RES-CHIP	100 5% 1/10W	R4709	1-216-647-11	METAL CHIP	680 0.5% 1/10W
R4365	1-216-025-91	RES-CHIP	100 5% 1/10W	R4710	1-216-651-11	METAL CHIP	1K 0.5% 1/10W
R4366	1-216-025-91	RES-CHIP	100 5% 1/10W	R4711	1-216-105-91	RES-CHIP	220K 5% 1/10W
R4367	1-216-025-91	RES-CHIP	100 5% 1/10W	R4712	1-216-049-91	RES-CHIP	1K 5% 1/10W
R4370	1-216-065-91	RES-CHIP	4.7K 5% 1/10W	R4714	1-216-049-91	RES-CHIP	1K 5% 1/10W
R4371	1-216-069-00	RES-CHIP	6.8K 5% 1/10W	R4715	1-216-063-91	RES-CHIP	3.9K 5% 1/10W
R4372	1-216-049-91	RES-CHIP	1K 5% 1/10W	R4716	1-216-295-91	SHORT	0
R4373	1-216-073-00	RES-CHIP	10K 5% 1/10W	R4717	1-218-760-11	METAL CHIP	220K 0.5% 1/10W
R4374	1-216-049-91	RES-CHIP	1K 5% 1/10W	R4718	1-218-756-11	METAL CHIP	150K 0.5% 1/10W
R4375	1-216-049-91	RES-CHIP	1K 5% 1/10W	R4719	1-216-065-91	RES-CHIP	4.7K 5% 1/10W
R4376	1-216-049-91	RES-CHIP	1K 5% 1/10W	< CRYSTAL >			
R4377	1-216-049-91	RES-CHIP	1K 5% 1/10W	X4300	1-767-127-11	VIBRATOR, CERAMIC	
R4378	1-216-101-00	RES-CHIP	150K 5% 1/10W				
R4379	1-216-091-00	RES-CHIP	56K 5% 1/10W				
R4380	1-216-065-91	RES-CHIP	4.7K 5% 1/10W				
R4381	1-216-125-00	RES-CHIP	1.5M 5% 1/10W				
R4382	1-216-073-00	RES-CHIP	10K 5% 1/10W				
R4383	1-216-079-00	RES-CHIP	18K 5% 1/10W				

REF.NO.	PART.NO	DESCRIPTION	REMARK	REF.NO.	PART.NO	DESCRIPTION	REMARK
*A-1640-387-A D Board, Complete				C6642	1-128-551-11	ELECT 22UF	20.00% 25V
	4-039-356-01	SCREW (3X12), (+) BV TAPPING		C6647	1-104-664-11	ELECT 47UF	20.00% 25V
	4-039-357-01	SCREW (3X8), (+) BV TAPPING		C6651	1-161-964-91	CERAMIC 0.0047UF	250V
	4-201-023-01	SPACER, INSULATING		C6652	1-107-678-91	ELECT 4.7UF	20.00% 450V
	4-202-373-01	SPRING, IC		C6653	1-126-968-11	ELECT 100UF	20.00% 50V
	4-382-854-11	SCREW (M3X10), P, SW (+)		C6654	1-162-117-00	CERAMIC 100PF	10.00% 500V
	*4-931-401-01	HEAT SINK, V.OUT		C6655	1-109-879-11	CERAMIC 22PF	5.00% 2KV
	< CAPACITOR >			C6656	1-126-967-11	ELECT 47UF	20.00% 50V
C2601	1-102-114-00	CERAMIC 470PF	10.00% 50V	C6657	1-126-941-11	ELECT 470UF	20.00% 25V
C2603	1-126-965-11	ELECT 22UF	20.00% 50V	C6658	1-104-665-11	ELECT 100UF	20.00% 25V
C2629	1-102-129-00	CERAMIC 0.01UF	10.00% 50V	C6659	1-104-665-11	ELECT 100UF	20.00% 25V
C2630	1-126-963-11	ELECT 4.7UF	20.00% 50V	C6661	1-117-753-11	ELECT (BLOCK) 470UF	20.00% 450V
C2631	1-130-029-00	FILM 8200PF	2.00% 50V	C6662	1-136-165-00	MYLAR 0.1UF	5.00% 50V
C2634	1-126-964-11	ELECT 10UF	20.00% 50V	C6663	1-101-821-00	CERAMIC 0.0022UF	500V
C2636	1-126-948-11	ELECT 100UF	20.00% 35V	C6664	1-136-153-00	MYLAR 0.01UF	5.00% 50V
C2639	1-126-964-11	ELECT 10UF	20.00% 50V	C6665	1-136-165-00	MYLAR 0.1UF	5.00% 50V
C2640	1-102-114-00	CERAMIC 470PF	10.00% 50V	C6666	1-136-165-00	MYLAR 0.1UF	5.00% 50V
C2643	1-136-189-00	MYLAR 0.1UF	10.00% 250V	C6667	1-128-526-11	ELECT 100UF	20.00% 16V
C2644	1-165-127-11	CERAMIC 470PF	10.00% 500V	C6668	1-126-933-11	ELECT 100UF	20.00% 16V
C2645	1-165-127-11	CERAMIC 470PF	10.00% 500V	C6669	1-136-165-00	MYLAR 0.1UF	5.00% 50V
C2646	1-129-718-00	FILM 0.022UF	5.00% 630V	C6670	1-136-165-00	MYLAR 0.1UF	5.00% 50V
C2647	1-129-718-00	FILM 0.022UF	5.00% 630V	C6671	1-104-664-11	ELECT 47UF	20.00% 16V
C2692	1-136-205-11	MYLAR 0.022UF	10.00% 250V	C6672	1-104-664-11	ELECT 47UF	20.00% 16V
C6600 Δ	1-127-802-51	CERAMIC 10000PF	20.00% 250V	C6680	1-137-150-11	MYLAR 0.01UF	5.00% 50V
C6603	1-126-933-11	ELECT 100UF	20.00% 16V	C6681	1-101-821-00	CERAMIC 0.0022UF	500V
C6604	1-126-767-11	ELECT 1000UF	20.00% 16V	C6682	1-107-679-91	ELECT 10UF	20.00% 450V
C6605 Δ	1-119-888-51	CERAMIC 2200PF	20.00% 250V	C6683	1-164-644-11	CERAMIC 330PF	10.00% 500V
C6606 Δ	1-119-888-51	CERAMIC 2200PF	20.00% 250V	C6684	1-164-644-11	CERAMIC 330PF	10.00% 500V
C6607 Δ	1-136-518-12	FILM 0.33UF	20.00% 300V	C6685	1-161-830-00	CERAMIC 0.0047UF	500V
C6608 Δ	1-161-964-91	CERAMIC 0.0047UF	250V	C6686	1-119-884-51	CERAMIC 100PF	10.00% 250V
C6609 Δ	1-161-964-91	CERAMIC 0.0047UF	250V	C6700	1-102-129-00	CERAMIC 0.01UF	10.00% 50V
C6610 Δ	1-161-964-91	CERAMIC 0.0047UF	250V	C6703	1-128-527-11	ELECT 330UF	20.00% 25V
C6611 Δ	1-165-737-81	CERAMIC 4700PF	10.00% 500V	C6704	1-126-968-11	ELECT 100UF	20.00% 50V
C6612	1-113-927-11	CERAMIC 10000PF	20.00% 250V	C6705	1-128-527-11	ELECT 330UF	20.00% 25V
C6626	1-164-644-11	CERAMIC 330PF	10.00% 500V	C6706	1-137-401-11	MYLAR 0.22UF	10.00% 100V
C6627	1-164-644-11	CERAMIC 330PF	10.00% 500V	C6707	1-129-702-00	MYLAR 0.001UF	10.00% 400V
C6628	1-107-887-11	ELECT 10000UF	20.00% 16V	C6708	1-106-220-00	MYLAR 0.1UF	10.00% 100V
C6629	1-128-601-11	ELECT 4700UF	20.00% 25V	C6709	1-102-129-00	CERAMIC 0.01UF	10.00% 50V
C6630	1-110-626-11	ELECT 330UF	20.00% 160V	C6710	1-130-785-11	MYLAR 0.47UF	10.00% 100V
C6631	1-126-955-11	ELECT 4700UF	20.00% 35V	C6727	1-102-228-00	CERAMIC 470PF	10.00% 500V
C6632	1-126-955-11	ELECT 4700UF	20.00% 35V	C6801	1-104-664-11	ELECT 47UF	20.00% 25V
C6634	1-136-165-00	MYLAR 0.1UF	5.00% 50V	C6802	1-126-960-11	ELECT 1UF	20.00% 50V
C6635	1-104-664-11	ELECT 47UF	20.00% 25V	C6803	1-107-902-11	ELECT 1UF	20.00% 50V
C6636	1-102-129-00	CERAMIC 0.01UF	10.00% 50V	C6804	1-102-114-00	CERAMIC 470PF	10.00% 50V
C6637	1-102-129-00	CERAMIC 0.01UF	10.00% 50V	C6805	1-102-114-00	CERAMIC 470PF	10.00% 50V
				C6808	1-102-030-00	CERAMIC 330PF	10.00% 500V
				C6809	1-102-030-00	CERAMIC 330PF	10.00% 500V

The components identified by shading and marked Δ are critical for safety
Replace only with the part number specified.

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REF. NO.	PART.NO	DESCRIPTION	REMARK	REF. NO.	PART.NO	DESCRIPTION	REMARK
C6810	1-107-368-11	MYLAR	0.047UF	10.00%	200V		
C6811	1-107-368-11	MYLAR	0.047UF	10.00%	200V		
C6812	1-117-214-11	CERAMIC	0.001UF	10.00%	2KV		
C6813	1-162-115-00	CERAMIC	330PF	10.00%	2KV		
C6814	1-117-646-11	FILM	12000PF	3.00%	1.2KV		
C6815	1-117-838-11	FILM	8200PF	3.00%	1.5KV		
C6816	1-130-471-00	MYLAR	0.001UF	5.00%	50V		
C6817	1-125-893-11	FILM	680PF	3.00%	1.5KV		
C6818	1-125-893-11	FILM	680PF	3.00%	1.5KV		
C6819	1-125-893-11	FILM	680PF	3.00%	1.5KV		
C6820	1-125-893-11	FILM	680PF	3.00%	1.5KV		
C6821	1-102-114-00	CERAMIC	470PF	10.00%	50V		
C6822	1-102-106-00	CERAMIC	100PF	10.00%	50V		
C6823	1-130-495-00	MYLAR	0.1UF	5.00%	50V		
C6824	1-107-846-11	FILM	0.1UF	5.00%	250V		
C6825	1-117-663-11	FILM	0.22UF	5.00%	250V		
C6826	1-115-521-11	FILM	0.82UF	5.00%	250V		
C6827	1-117-660-21	FILM	0.12UF	5.00%	250V		
C6828	1-127-681-11	FILM MELF	10000PF	2%	100V		
C6829	1-127-680-11	FILM MELF	4700PF	2%	100V		
C6830	1-107-673-41	ELECT	47UF	20.00%	400V		
C6831	1-102-228-00	CERAMIC	470PF	10.00%	500V		
C6832	1-126-951-11	ELECT	470UF	20.00%	35V		
C6833	1-126-941-11	ELECT	470UF	20.00%	25V		
C6834	1-102-228-00	CERAMIC	470PF	10.00%	500V		
C6835	1-102-228-00	CERAMIC	470PF	10.00%	500V		
C6836	1-123-024-21	ELECT	33UF		160V		
C6837	1-106-375-12	MYLAR	0.022UF	10.00%	250V		
C6840	1-137-150-11	MYLAR	0.01UF	5.00%	50V		
C6841	1-104-664-11	ELECT	47UF	20.00%	16V		
C6842	1-136-060-00	FILM	0.047UF	5.00%	400V		
C6843	1-136-177-00	MYLAR	1UF	5.00%	50V		
C6845	1-102-114-00	CERAMIC	470PF	10.00%	50V		
C6846	1-130-471-00	MYLAR	0.001UF	5.00%	50V		
C6847	1-117-665-11	FILM	0.33UF	5.00%	250V		
C6851	1-162-129-00	CERAMIC	150PF	10.00%	2KV		
C6852	1-162-129-00	CERAMIC	150PF	10.00%	2KV		
C6853	1-130-061-91	FILM	0.0015UF	5.00%	630V		
C6855	1-136-205-11	MYLAR	0.022UF	10.00%	400V		
C6857	1-130-785-11	MYLAR	0.47UF	10.00%	100V		
C6861	1-130-471-00	MYLAR	0.001UF	5.00%	50V		
C6862	1-130-471-00	MYLAR	0.001UF	5.00%	50V		
C6864	1-126-941-11	ELECT	470UF	20.00%	25V		
C6865	1-126-933-11	ELECT	100UF	20.00%	16V		
C6866	1-126-949-11	ELECT	220UF	20.00%	35V		
				< CONNECTOR >			
CN6100	1-785-802-11	PIN, CONNECTOR (WITH PWB)	20P				
CN6101	1-785-802-11	PIN, CONNECTOR (WITH PWB)	20P				
CN6102	1-785-802-11	PIN, CONNECTOR (WITH PWB)	20P				
CN6500	1-508-766-00	PIN, CONNECTOR (5MM PITCH)	4P				
CN6600	1-695-299-11	CONNECTOR, BOARD TO BOARD	50P				
CN6611	*1-785-270-12	PIN, DY CONNECTOR (PC BOARD)					
CN6620	Δ 1-508-765-00	PIN, CONNECTOR (5MM PITCH)	3P				
CN6655	1-695-915-11	TAB (CONTACT)					
CN6666	Δ *1-508-786-00	PIN, CONNECTOR (5MM PITCH)	2P				
CN6700	Δ *1-691-291-11	PIN, CONNECTOR (PC BOARD)	5P				
CN6699	1-695-915-11	TAB (CONTACT)					
				< DIODE >			
D2001	8-719-110-49	DIODE MTZJ-T-77-18B					
D2601	8-719-979-64	DIODE UF4005PKG23					
D2602	8-719-991-33	DIODE 1SS133T-77					
D2603	8-719-109-66	DIODE MTZJ-T-77-3.3B					
D2620	8-719-510-02	DIODE D1NS4-TR					
D2622	8-719-979-64	DIODE UF4005PKG23					
D2649	8-719-921-88	DIODE MTZJ-T-77-13B					
D6600	8-719-911-19	DIODE 1SS119-25TD					
D6601	8-719-063-73	DIODE D1NL20U-TR					
D6603	Δ 8-719-921-19	DIODE 1SS119-25TD					
D6604	8-719-510-53	DIODE D4SB60L-F					
D6605	8-719-991-33	DIODE 1SS133T-77					
D6606	8-719-063-73	DIODE D1NL20U-TR					
D6607	8-719-991-33	DIODE 1SS133T-77					
D6609	8-719-991-33	DIODE 1SS133T-77					
D6610	8-719-991-33	DIODE 1SS133T-77					
D6613	8-719-027-20	DIODE D3S4M-F					
D6614	8-719-027-20	DIODE D3S4M-F					
D6615	8-719-027-20	DIODE D3S4M-F					
D6616	8-719-027-20	DIODE D3S4M-F					
D6617	8-719-062-39	DIODE D4SBL20UF1					
D6618	8-719-062-39	DIODE D4SBL20UF1					
D6619	8-719-510-12	DIODE D10SC4M-F					
D6623	8-719-911-19	DIODE 1SS119-25TD					
D6624	8-719-991-33	DIODE 1SS133T-77					
D6625	8-719-991-33	DIODE 1SS133T-77					
D6627	8-719-982-27	DIODE MTZJ-T-77-33C					
D6628	8-719-109-97	DIODE MTZJ-T-77-6.8					
D6631	8-719-991-33	DIODE 1SS133T-77					
D6651	8-719-068-00	DIODE ERC04-06SE					
D6652	8-719-923-78	DIODE MTZJ-T-77-12					
D6653	8-719-063-73	DIODE D1NL20U-TR					

REF. NO.	PART.NO	DESCRIPTION	REMARK	REF. NO.	PART.NO	DESCRIPTION	REMARK
D6654	8-719-059-23	DIODE P6KE200AG23		L6700	1-412-524-11	INDUCTOR 8.2UH	
D6655	8-719-979-64	DIODE UF4005PKG23		L6801	1-412-519-11	INDUCTOR 3.3UH	
D6656	8-719-063-73	DIODE D1NL20U-TR		L6802	1-412-519-11	INDUCTOR 3.3UH	
D6658	8-719-068-00	DIODE ERC04-06SE		L6803	1-412-533-21	INDUCTOR 47UH	
D6659	8-719-063-73	DIODE D1NL20U-TR		L6805	1-408-947-00	INDUCTOR 2.2MH	
D6681	8-719-991-33	DIODE 1SS133T-77		L6806	1-535-143-61	LEAD, JUMPER (5.0MM)	
D6700	8-719-908-03	DIODE GP08DPKG23		L6851	1-535-143-61	LEAD, JUMPER (5.0MM)	
D6701	8-719-110-41	DIODE MTZJ-T-77-15B		< FILTER >			
D6803	8-719-908-03	DIODE GP08DPKG23		LF6603	1-406-659-11	INDUCTOR 10UH	
D6805	8-719-302-43	DIODE RGP10GPKG23		LF6604	1-406-659-11	INDUCTOR 10UH	
D6806	8-719-979-85	DIODE RGP15GPKG23		LF6801	1-419-482-11	INDUCTOR 1.5MH	
D6807	8-719-033-12	DIODE S3L40F		LF6808	1-406-987-11	INDUCTOR 4.7MH	
D6808	8-719-510-73	DIODE S3L20UF4		LF6851	1-406-674-11	INDUCTOR 3.3MH	
D6809	8-719-991-33	DIODE 1SS133T-77		< PHOTO COUPLER >			
D6810	1-249-441-11	CARBON 100K 5% 1/4W		PH2602 Δ	8-749-010-64	PHOTO COUPLER PC123FY2	
D6811	8-719-110-41	DIODE MTZJ-T-77-15B		< IC LINK >			
D6812	8-719-991-33	DIODE 1SS133T-77		PS6601 Δ	1-801-549-21	PROTECTOR, MODULE 4.0A MP250	
D6813	8-719-110-41	DIODE MTZJ-T-77-15B		PS6602 Δ	1-801-549-21	PROTECTOR, MODULE 4.0A MP250	
D6851	8-719-970-87	DIODE ERA38-06TP1		PS6603 Δ	1-801-549-21	PROTECTOR, MODULE 4.0A MP250	
D6852	8-719-970-87	DIODE ERA38-06TP1		PS6604 Δ	1-801-550-21	PROTECTOR, MODULE 2.5A MP250	
D6853	8-719-991-33	DIODE 1SS133T-77		PS6605 Δ	1-801-549-21	PROTECTOR, MODULE 4.0A MP250	
D6854	8-719-312-10	DIODE RU4AM-T3		PS6606 Δ	1-801-549-21	PROTECTOR, MODULE 4.0A MP250	
< FERRITE BEAD >				PS6607 Δ	1-576-432-21	LINK, FUSE	
FB2604	1-535-143-61	LEAD, JUMPER (5.0MM)		PS6608 Δ	1-576-432-21	LINK, FUSE	
FB6602	1-410-396-41	FERRITE 0.45UH		PS6609 Δ	1-801-550-21	PROTECTOR, MODULE 2.5A MP250	
FB6603	1-410-396-41	FERRITE 0.45UH		PS6801 Δ	1-532-841-21	LINK, IC	
FB6604	1-535-143-61	LEAD, JUMPER (5.0MM)		< TRANSISTOR >			
FB6807	1-535-143-61	LEAD, JUMPER (5.0MM)		Q2001	8-729-029-66	TRANSISTOR DTC114ESA-TP	
< IC >				Q2002	8-729-029-66	TRANSISTOR DTC114ESA-TP	
IC2601	8-749-016-66	IC MCR5152		Q6600	8-729-046-47	TRANSISTOR KSC2500-BTA	
IC2603	8-749-920-61	IC SE135N-LF12		Q6605	8-729-046-47	TRANSISTOR KSC2500-BTA	
IC6651	8-759-468-89	IC TOP209P		Q6606	8-729-029-56	TRANSISTOR DTA144ESA-TP	
IC6652	8-759-394-35	IC BA12T		Q6607	8-729-119-78	TRANSISTOR 2SC1740S-RT	
IC6653	8-759-544-13	IC KA78R09-YDTU		Q6608	8-729-029-66	TRANSISTOR DTC114ESA-TP	
IC6654	8-759-574-76	IC KA78R05-TU		Q6667	8-729-026-39	TRANSISTOR 2SA933AS-RT	
IC6667	8-759-908-15	IC TL431CZ		Q6700	8-729-039-68	TRANSISTOR IRF620	
IC6700	8-759-192-71	IC STV9379		Q6801	8-729-119-80	TRANSISTOR 2SC2688-LK	
IC6801	8-759-103-93	IC LM393P		Q6802	8-729-119-80	TRANSISTOR 2SC2688-LK	
IC6803	8-749-013-76	IC PQ6RD83B		Q6803	8-729-046-18	TRANSISTOR 2SC5480-01	
< COIL >				Q6804	8-729-046-18	TRANSISTOR 2SC5480-01	
L6604	1-406-659-11	INDUCTOR 10UH		Q6805	8-729-025-19	TRANSISTOR IRFI740G	
L6605	1-412-523-41	INDUCTOR 6.8UH		Q6806	8-729-025-19	TRANSISTOR IRFI740G	
L6606	1-412-525-31	INDUCTOR 10UH		Q6807	8-729-030-02	TRANSISTOR DTC144ESA-TP	
L6620	1-406-658-21	INDUCTOR 6.8UH					
L6651	1-414-183-41	INDUCTOR 10UH					

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REF. NO.	PART.NO	DESCRIPTION	REMARK			REF. NO.	PART.NO	DESCRIPTION	REMARK		
Q6808	8-729-025-19	TRANSISTOR	IRFI740G			R6613	1-249-438-11	CARBON	56K	5%	1/4W
Q6809	8-729-119-78	TRANSISTOR	2SC1740S-RT			R6614	1-249-434-11	CARBON	27K	5%	1/4W
Q6810	8-729-026-39	TRANSISTOR	2SA933AS-RT			R6615	1-249-401-11	CARBON	47	5%	1/4W
Q6811	8-729-119-78	TRANSISTOR	2SC1740S-RT			R6632	1-207-905-00	WIREWOUND	0.27	10%	2W
Q6812	8-729-119-78	TRANSISTOR	2SC1740S-RT			R6633	1-249-429-11	CARBON	10K	5%	1/4W
Q6813	8-729-026-39	TRANSISTOR	2SA933AS-RT			R6637	1-249-421-11	CARBON	2.2K	5%	1/4W
Q6820	8-729-119-78	TRANSISTOR	2SC1740S-RT			R6639	1-249-416-11	CARBON	820	5%	1/4W
Q6821	8-729-026-39	TRANSISTOR	2SA933AS-RT			R6640	1-249-417-11	CARBON	1K	5%	1/4W
Q6851	8-729-043-95	TRANSISTOR	2SC3840K			R6641	1-260-127-11	CARBON	220K	5%	1/2W
< RESISTOR >						R6642	1-249-389-11	CARBON	4.7	5%	1/4W
R2001	1-214-779-00	METAL	120K	1%	1/4W	R6645	1-260-131-11	CARBON	470K	5%	1/2W
R2002	1-215-451-00	METAL	18K	1%	1/4W	R6646	1-249-429-11	CARBON	10K	5%	1/4W
R2003	1-249-429-11	CARBON	10K	5%	1/4W	R6647	1-249-410-11	CARBON	270	5%	1/4W
R2004	1-249-429-11	CARBON	10K	5%	1/4W	R6649	1-215-926-00	METAL OXIDE	33K	5%	3W
R2601	1-249-401-11	CARBON	47	5%	1/4W	R6651	1-247-791-91	CARBON	22	5%	1/4W
R2602	1-249-415-11	CARBON	680	5%	1/4W	R6652	1-249-389-11	CARBON	4.7	5%	1/4W
R2603	1-216-439-00	METAL OXIDE	12K	5%	1W	R6657	1-215-421-00	METAL	1K	1%	1/4W
R2605	1-249-421-11	CARBON	2.2K	5%	1/4W	R6667	1-215-441-00	METAL	6.8K	1%	1/4W
R2631	1-215-481-00	METAL	330K	1%	1/4W	R6668	1-249-428-11	CARBON	8.2K	5%	1/4W
R2632	1-215-481-00	METAL	330K	1%	1/4W	R6669	1-249-413-11	CARBON	470	5%	1/4W
R2633	1-215-481-00	METAL	330K	1%	1/4W	R6689	1-247-843-11	CARBON	3.3K	5%	1/4W
R2634	1-214-755-00	METAL	12K	1%	1/4W	R6691	1-215-446-00	METAL	11K	1%	1/4W
R2641	1-215-433-00	METAL	3.3K	1%	1/4W	R6692	1-215-445-00	METAL	10K	1%	1/4W
R2643	1-249-413-11	CARBON	470	5%	1/4W	R6700	1-215-433-00	METAL	3.3K	1%	1/4W
R2650	1-215-421-00	METAL	1K	1%	1/4W	R6701	1-215-429-00	METAL	2.2K	1%	1/4W
R2652	1-215-397-00	METAL	100	1%	1/4W	R6702	1-215-433-00	METAL	3.3K	1%	1/4W
R2655	1-217-625-00	METAL	0.05	10%	2W	R6703	1-215-429-00	METAL	2.2K	1%	1/4W
R2661	1-216-377-11	METAL OXIDE	4.7	5%	2W	R6704	1-249-383-11	CARBON	1.5	5%	1/4W
R2662	1-216-377-11	METAL OXIDE	4.7	5%	2W	R6705	1-247-791-91	CARBON	22	5%	1/4W
R2664	1-249-421-11	CARBON	2.2K	5%	1/4W	R6706	1-249-389-11	CARBON	4.7	5%	1/4W
R2670	1-202-933-61	FUSIBLE	0.1	10%	1/2W	R6707	1-215-913-11	METAL OXIDE	220	5%	3W
R2679	1-249-409-11	CARBON	220	5%	1/4W	R6708	1-214-798-21	METAL	1.8	1%	1/2W
R2680	1-249-421-11	CARBON	2.2K	5%	1/4W	R6709	1-214-798-21	METAL	1.8	1%	1/2W
R2717	1-214-945-00	METAL	2.2M	5%	1/2W	R6710	1-247-843-11	CARBON	3.3K	5%	1/4W
R2718	1-214-945-00	METAL	2.2M	5%	1/2W	R6711	1-249-418-11	CARBON	1.2K	5%	1/4W
R6601 Δ	1-205-998-11	CEMENTED	1	5%	10W	R6713	1-215-445-00	METAL	10K	1%	1/4W
R6602	1-249-433-11	CARBON	22K	5%	1/4W	R6714	1-215-445-00	METAL	10K	1%	1/4W
R6603	1-249-430-11	CARBON	12K	5%	1/4W	R6801	1-215-440-00	METAL	6.2K	1%	1/4W
R6604	1-249-421-11	CARBON	2.2K	5%	1/4W	R6802	1-214-915-00	METAL	120K	1%	1/2W
R6606 Δ	1-205-998-11	CEMENTED	1	5%	10W	R6803	1-249-421-11	CARBON	2.2K	5%	1/4W
R6607 Δ	1-205-998-11	CEMENTED	1	5%	10W	R6804	1-249-411-11	CARBON	330	5%	1/4W
R6608 Δ	1-220-797-11	CEMENTED	0.47	5%	10W	R6805	1-249-411-11	CARBON	330	5%	1/4W
R6609	1-249-413-11	CARBON	470	5%	1/4W	R6806	1-249-417-11	CARBON	1K	5%	1/4W
R6610 Δ	1-240-030-91	METAL	4.7M	5%	1/2W	R6807	1-249-417-11	CARBON	1K	5%	1/4W
R6611 Δ	1-240-030-91	METAL	4.7M	5%	1/2W	R6808	1-260-340-11	CARBON	10K	5%	1/2W
R6612	1-215-858-00	METAL OXIDE	15	5%	1W	R6809	1-260-340-11	CARBON	10K	5%	1/2W
						R6810	1-215-895-11	METAL OXIDE	3.3K	5%	2W

D

D1

The components identified by shading and marked Δ are critical for safety
Replace only with the part number specified.

REF.NO.	PART.NO	DESCRIPTION	REMARK
R6811	1-215-897-11	METAL OXIDE 6.8K 5%	2W
R6812	1-215-893-11	METAL OXIDE 1.5K 5%	2W
R6813	1-215-919-11	METAL OXIDE 2.2K 5%	3W
R6814	1-215-880-00	METAL OXIDE 10 5%	2W
R6815	1-215-880-00	METAL OXIDE 10 5%	2W
R6816	1-216-361-00	METAL OXIDE 0.22 5%	2W
R6817	1-216-361-00	METAL OXIDE 0.22 5%	2W
R6818	1-247-807-31	CARBON 100 5%	1/4W
R6819	1-247-807-31	CARBON 100 5%	1/4W
R6820	1-535-143-51	LEAD, JUMPER (20.0MM)	
R6821	1-535-143-51	LEAD, JUMPER (20.0MM)	
R6822	1-249-437-11	CARBON 47K 5%	1/4W
R6823	1-249-417-11	CARBON 1K 5%	1/4W
R6824	1-249-437-11	CARBON 47K 5%	1/4W
R6825	1-249-421-11	CARBON 2.2K 5%	1/4W
R6826	1-249-411-11	CARBON 330 5%	1/4W
R6829	1-535-143-61	LEAD, JUMPER (5.0MM)	
R6831	1-260-124-11	CARBON 120K 5%	1/2W
R6832	1-216-434-11	METAL OXIDE 1.8K 5%	1W
R6833	1-202-972-61	FUSIBLE 1 5%	1/4W
R6834	1-249-377-11	CARBON 0.47 5%	1/4W
R6835	1-249-377-11	CARBON 0.47 5%	1/4W
R6836	1-214-903-31	METAL 39K 1%	1/2W
R6837	1-215-919-11	METAL OXIDE 2.2K 5%	3W
R6838	1-214-886-00	METAL 8.2K 1%	1/2W
R6839	1-215-919-11	METAL OXIDE 2.2K 5%	3W
R6840	1-215-431-00	METAL 2.7K 1%	1/4W
R6842	1-260-123-11	CARBON 100K 5%	1/2W
R6843	1-249-429-11	CARBON 10K 5%	1/4W
R6844	1-249-441-11	CARBON 100K 5%	1/4W
R6845	1-249-433-11	CARBON 22K 5%	1/4W
R6850	1-249-421-11	CARBON 2.2K 5%	1/4W
R6851	1-260-123-11	CARBON 100K 5%	1/2W
R6852	1-260-123-11	CARBON 100K 5%	1/2W
R6853	1-260-123-11	CARBON 100K 5%	1/2W
R6854	1-249-417-11	CARBON 1K 5%	1/4W
R6855	1-249-421-11	CARBON 2.2K 5%	1/4W
R6856	1-216-485-51	METAL OXIDE 5.6K 5%	3W
R6857	1-215-922-51	METAL OXIDE 6.8K 5%	3W
R6858	1-215-922-11	METAL OXIDE 6.8K 5%	3W
R6859	1-215-922-11	METAL OXIDE 6.8K 5%	3W
R6860	1-249-425-11	CARBON 4.7K 5%	1/4W
R6861	1-249-425-11	CARBON 4.7K 5%	1/4W
R6885	1-215-493-00	METAL 1M 1%	1/4W
R6886	1-215-477-00	METAL 220K 1%	1/4W
R6887	1-215-461-00	METAL 47K 1%	1/4W
R6889	1-249-421-11	CARBON 2.2K 5%	1/4W

REF.NO.	PART.NO	DESCRIPTION	REMARK
R6890	1-247-883-00	CARBON 150K 5%	1/4W
R6891	1-247-895-91	CARBON 470K 5%	1/4W
R6892	1-249-443-11	CARBON 0.47 5%	1/4W
R6893	1-249-432-11	CARBON 18K 5%	1/4W
R6895	1-249-443-11	CARBON 0.47 5%	1/4W
R6896	1-249-443-11	CARBON 0.47 5%	1/4W
R6897	1-215-485-00	METAL 470K 1%	1/4W
R6898	1-215-493-00	METAL 1M 1%	1/4W
R6899	1-215-493-00	METAL 1M 1%	1/4W
R6900	1-260-288-11	CARBON 0.47 5%	1/2W

< RELAY >

RY6601 Δ 1-755-388-11 RELAY (AC POWER)
RY6602 Δ 1-755-388-11 RELAY (AC POWER)

< TRANSFORMER >

T6601 Δ 1-435-158-11 TRANSFORMER, CONVERTER
T6651 1-431-732-21 TRANSFORMER, CONVERTER (SRT)
T6801 1-433-489-31 TRANSFORMER, FERRITE (HDT)
T6802 1-433-489-31 TRANSFORMER, FERRITE (HDT)
T6804 Δ 1-453-332-11 TRANSFORMER ASSY, FLYBACK (NX-4601/J1B4)

T6805 1-429-741-11 TRANSFORMER, DRIVE
T6852 1-433-934-11 TRANSFORMER, FERRITE (DFT)

< THERMISTOR >

TH6602 1-803-541-11 THERMISTOR
TH6660 1-803-586-11 THERMISTOR, NTC
TH6700 1-800-193-00 THERMISTOR

*A-1640-388-A D1 Board, Complete

4-382-854-11 SCREW (M3X10), P, SW (+)

< CAPACITOR >

C6100 1-136-165-00 MYLAR 0.1UF 5.00% 50V
C6101 1-136-165-00 MYLAR 0.1UF 5.00% 50V
C6102 1-136-165-00 MYLAR 0.1UF 5.00% 50V
C6103 1-163-205-00 CERAMIC CHIP 0.001UF 5.00% 50V
C6104 1-163-205-00 CERAMIC CHIP 0.001UF 5.00% 50V
C6105 1-104-664-11 ELECT 47UF 20.00% 25V
C6106 1-163-133-00 CERAMIC CHIP 470PF 5.00% 50V
C6108 1-163-021-91 CERAMIC CHIP 0.01UF 10.00% 50V
C6109 1-104-664-11 ELECT 47UF 20.00% 25V
C6110 1-104-664-11 ELECT 47UF 20.00% 25V
C6112 1-163-037-11 CERAMIC CHIP 0.022UF 10.00% 50V
C6113 1-163-021-91 CERAMIC CHIP 0.01UF 10.00% 50V
C6114 1-126-964-11 ELECT 10UF 20.00% 50V
C6115 1-163-005-11 CERAMIC CHIP 470PF 10.00% 50V

REF. NO.	PART.NO	DESCRIPTION	REMARK	REF. NO.	PART.NO	DESCRIPTION	REMARK
C6116	1-163-275-11	CERAMIC CHIP 0.001UF	5.00% 50V	C6316	1-137-493-11	FILM 0.0047UF	5.00% 630V
C6117	1-163-275-11	CERAMIC CHIP 0.001UF	5.00% 50V	C6350	1-164-004-11	CERAMIC CHIP 0.1UF	10.00% 25V
C6119	1-163-021-91	CERAMIC CHIP 0.01UF	10.00% 50V	C6351	1-104-664-11	ELECT 47UF	20.00% 25V
C6120	1-163-037-11	CERAMIC CHIP 0.022UF	10.00% 50V	C6355	1-163-251-11	CERAMIC CHIP 100PF	5.00% 50V
C6121	1-126-964-11	ELECT 10UF	20.00% 50V	C6356	1-163-809-11	CERAMIC CHIP 0.047UF	10.00% 25V
C6122	1-104-664-11	ELECT 47UF	20.00% 25V	C6358	1-104-329-11	CERAMIC CHIP 0.1UF	10.00% 50V
C6125	1-163-017-00	CERAMIC CHIP 0.0047UF	10.00% 50V	C6361	1-164-004-11	CERAMIC CHIP 0.1UF	10.00% 25V
C6126	1-107-823-11	CERAMIC CHIP 0.47UF	10.00% 16V	C6362	1-164-182-11	CERAMIC CHIP 0.0033UF	10.00% 50V
C6127	1-163-059-91	CERAMIC CHIP 0.01UF	10.00% 50V	C6365	1-163-809-11	CERAMIC CHIP 0.047UF	10.00% 25V
C6128	1-163-017-00	CERAMIC CHIP 0.0047UF	10.00% 50V	C6376	1-107-909-11	ELECT 47UF	20.00% 16V
C6129	1-163-037-91	CERAMIC CHIP 22000PF	10.00% 50V	C6377	1-128-551-11	ELECT 22UF	20.00% 25V
C6131	1-126-968-11	ELECT 100UF	20.00% 50V	C6378	1-164-004-11	CERAMIC CHIP 0.1UF	10.00% 25V
C6132	1-163-259-91	CERAMIC CHIP 220PF	5.00% 50V	C6401	1-126-964-11	ELECT 10UF	20.00% 50V
C6138	1-163-037-11	CERAMIC CHIP 0.022UF	10.00% 50V	C6402	1-107-714-11	ELECT 10UF	20.00% 50V
C6207	1-126-967-11	ELECT 47UF	20.00% 50V	C6403	1-126-968-11	ELECT 100UF	20.00% 50V
C6208	1-126-967-11	ELECT 47UF	20.00% 50V	C6407	1-136-161-00	MYLAR 0.047UF	5.00% 50V
C6209	1-163-133-00	CERAMIC CHIP 470PF	5.00% 50V	C6408	1-136-161-00	MYLAR 0.047UF	5.00% 50V
C6210	1-163-009-11	CERAMIC CHIP 0.001UF	10.00% 50V	C6409	1-126-964-11	ELECT 10UF	20.00% 50V
C6250	1-104-664-11	ELECT 47UF	20.00% 16V	C6410	1-104-664-11	ELECT 47UF	20.00% 16V
C6251	1-163-989-11	CERAMIC CHIP 0.033UF	10.00% 25V	C6411	1-104-664-11	ELECT 47UF	20.00% 16V
C6252	1-163-989-11	CERAMIC CHIP 0.033UF	10.00% 25V	C6412	1-104-664-11	ELECT 47UF	20.00% 16V
C6253	1-115-339-11	CERAMIC CHIP 0.1UF	10.00% 50V	C6416	1-163-021-91	CERAMIC CHIP 0.01UF	10.00% 50V
C6254	1-136-177-00	MYLAR 1UF	5.00% 50V	C6417	1-126-964-11	ELECT 10UF	20.00% 50V
C6255	1-136-177-00	MYLAR 1UF	5.00% 50V	C6420	1-136-165-00	MYLAR 0.1UF	5.00% 50V
C6256	1-163-117-00	CERAMIC CHIP 100PF	5.00% 50V	C6421	1-136-165-00	MYLAR 0.1UF	5.00% 50V
C6257	1-115-339-11	CERAMIC CHIP 0.1UF	10.00% 50V	C6422	1-136-165-00	MYLAR 0.1UF	5.00% 50V
C6258	1-163-127-00	CERAMIC CHIP 270PF	5.00% 50V	C6479	1-126-967-11	ELECT 47UF	20.00% 50V
C6259	1-110-501-11	CERAMIC CHIP 0.33UF	10.00% 16V	C6480	1-136-165-00	MYLAR 0.1UF	5.00% 50V
C6260	1-104-664-11	ELECT 47UF	20.00% 16V	C6481	1-126-960-11	ELECT 1UF	20.00% 50V
C6261	1-115-339-11	CERAMIC CHIP 0.1UF	10.00% 50V	C6485	1-104-664-11	ELECT 47UF	20.00% 25V
C6262	1-136-165-00	MYLAR 0.1UF	5.00% 50V	C6486	1-104-664-11	ELECT 47UF	20.00% 25V
C6263	1-163-109-00	CERAMIC CHIP 47PF	5.00% 50V	C6488	1-126-964-11	ELECT 10UF	20.00% 50V
C6264	1-126-964-11	ELECT 10UF	20.00% 50V	C6489	1-126-964-11	ELECT 10UF	20.00% 50V
C6265	1-163-017-00	CERAMIC CHIP 0.0047UF	10.00% 50V	C6492	1-104-664-11	ELECT 47UF	20.00% 25V
C6301	1-126-964-11	ELECT 10UF	20.00% 50V	< CONNECTOR >			
C6302	1-126-964-11	ELECT 10UF	20.00% 50V	CN6502	*1-568-881-51	PIN, CONNECTOR 6P	
C6303	1-126-965-11	ELECT 22UF	20.00% 50V	CN6601	1-695-302-11	CONNECTOR, BOARD TO BOARD 50P	
C6304	1-164-004-11	CERAMIC CHIP 0.1UF	10.00% 25V	CN6622	*1-568-878-31	PIN, CONNECTOR 3P	
C6305	1-164-004-11	CERAMIC CHIP 0.1UF	10.00% 25V	CN6633	*1-568-878-51	PIN, CONNECTOR 3P	
C6306	1-126-967-11	ELECT 47UF	20.00% 50V	< DIODE >			
C6307	1-129-716-00	FILM 0.015UF	5.00% 630V	D6102	8-719-914-43	DIODE DAN202K-T-146	
C6308	1-137-194-81	MYLAR 0.47UF	5.00% 50V	D6104	8-719-914-43	DIODE DAN202K-T-146	
C6309	1-104-664-11	ELECT 47UF	20.00% 16V	D6107	8-719-914-43	DIODE DAN202K-T-146	
C6312	1-107-909-11	ELECT 47UF	20.00% 50V	D6108	8-719-921-40	DIODE MT2J-T-77-4.7B	
C6313	1-126-967-11	ELECT 47UF	20.00% 50V	D6127	8-719-914-43	DIODE DAN202K-T-146	
C6314	1-136-153-00	MYLAR 0.01UF	5.00% 50V				
C6315	1-104-665-11	ELECT 100UF	20.00% 25V				

REF.NO.	PART.NO	DESCRIPTION	REMARK	REF.NO.	PART.NO	DESCRIPTION	REMARK
D6128	8-719-914-43	DIODE DAN202K-T-146		< TRANSISTOR >			
D6129	8-719-914-43	DIODE DAN202K-T-146		Q6100	8-729-120-28	TRANSISTOR 2SC2412K-T-146-R	
D6198	1-535-465-11	LEAD, JUMPER (5.0MM)		Q6101	8-729-120-28	TRANSISTOR 2SC2412K-T-146-R	
D6253	8-719-911-19	DIODE 1SS119-25TD		Q6102	8-729-120-28	TRANSISTOR 2SC2412K-T-146-R	
D6254	1-535-143-61	LEAD, JUMPER (5.0MM)		Q6103	8-729-120-28	TRANSISTOR 2SC2412K-T-146-R	
				Q6104	8-729-120-28	TRANSISTOR 2SC2412K-T-146-R	
D6255	8-719-914-43	DIODE DAN202K-T-146					
D6301	8-719-914-43	DIODE DAN202K-T-146		Q6105	8-729-120-28	TRANSISTOR 2SC2412K-T-146-R	
D6302	8-719-991-33	DIODE 1SS133T-77		Q6106	8-729-120-28	TRANSISTOR 2SC2412K-T-146-R	
D6303	8-719-987-87	DIODE ERA82-004TP1		Q6107	8-729-120-28	TRANSISTOR 2SC2412K-T-146-R	
D6304	8-719-063-73	DIODE D1NL20U-TR		Q6108	8-729-026-49	TRANSISTOR 2SA1037AK-T146-R	
				Q6110	8-729-026-49	TRANSISTOR 2SA1037AK-T146-R	
D6305	8-719-914-43	DIODE DAN202K-T-146					
D6350	8-719-914-43	DIODE DAN202K-T-146		Q6112	8-729-120-28	TRANSISTOR 2SC2412K-T-146-R	
D6351	8-719-914-43	DIODE DAN202K-T-146		Q6113	8-729-120-28	TRANSISTOR 2SC2412K-T-146-R	
D6355	8-719-914-43	DIODE DAN202K-T-146		Q6118	8-729-120-28	TRANSISTOR 2SC2412K-T-146-R	
D6401	8-719-914-43	DIODE DAN202K-T-146		Q6119	8-729-026-49	TRANSISTOR 2SA1037AK-T146-R	
				Q6120	8-729-026-49	TRANSISTOR 2SA1037AK-T146-R	
D6402	8-719-982-03	DIODE MTZJ-T-77-3.6A					
D6403	8-719-921-63	DIODE MTZJ-T-77-7.5B		Q6122	8-729-026-49	TRANSISTOR 2SA1037AK-T146-R	
D6404	8-719-914-43	DIODE DAN202K-T-146		Q6123	8-729-026-49	TRANSISTOR 2SA1037AK-T146-R	
D6405	8-719-921-63	DIODE MTZJ-T-77-7.5B		Q6125	8-729-120-28	TRANSISTOR 2SC2412K-T-146-R	
D6408	8-719-109-54	DIODE MTZJ-T-77-2.2B		Q6126	8-729-026-49	TRANSISTOR 2SA1037AK-T146-R	
				Q6127	8-729-026-49	TRANSISTOR 2SA1037AK-T146-R	
D6409	8-719-914-43	DIODE DAN202K-T-146					
D6411	8-719-914-43	DIODE DAN202K-T-146		Q6128	8-729-120-28	TRANSISTOR 2SC2412K-T-146-R	
D6412	8-719-914-43	DIODE DAN202K-T-146		Q6129	8-729-026-49	TRANSISTOR 2SA1037AK-T146-R	
< IC >				Q6130	8-729-026-49	TRANSISTOR 2SA1037AK-T146-R	
IC6100	8-759-450-95	IC LM393N		Q6131	8-729-120-28	TRANSISTOR 2SC2412K-T-146-R	
IC6101	8-759-450-95	IC LM393N		Q6135	8-729-120-28	TRANSISTOR 2SC2412K-T-146-R	
IC6102	8-759-638-79	IC NJM3404AD-W					
IC6103	8-759-450-95	IC LM393N		Q6136	8-729-120-28	TRANSISTOR 2SC2412K-T-146-R	
IC6250	8-759-595-52	IC CXA8070AP		Q6201	8-729-120-28	TRANSISTOR 2SC2412K-T-146-R	
				Q6202	8-729-120-28	TRANSISTOR 2SC2412K-T-146-R	
IC6251	8-759-903-16	IC LM318P		Q6250	8-729-120-28	TRANSISTOR 2SC2412K-T-146-R	
IC6301	8-752-053-21	IC CXA1211M-T4		Q6251	8-729-120-28	TRANSISTOR 2SC2412K-T-146-R	
IC6302	8-759-450-95	IC LM393N					
IC6303	8-759-450-95	IC LM393N		Q6252	8-729-026-49	TRANSISTOR 2SA1037AK-T146-R	
IC6304	8-759-803-42	IC LA6500-FA		Q6253	8-729-045-04	TRANSISTOR 2SC5511	
				Q6254	8-729-045-05	TRANSISTOR 2SA2005	
IC6351	8-759-450-95	IC LM393N		Q6301	8-729-046-33	TRANSISTOR IRF720-LF49	
IC6353	8-759-231-53	IC L7805CV		Q6302	8-729-140-93	TRANSISTOR 2SB734-T-4	
IC6357	8-759-008-70	IC LM358N					
IC6405	8-759-567-08	IC MB88141APF-ER		Q6350	8-729-120-28	TRANSISTOR 2SC2412K-T-146-R	
IC6454	8-759-325-48	IC CA0005AD		Q6356	8-729-120-28	TRANSISTOR 2SC2412K-T-146-R	
				Q6401	1-801-806-11	TRANSISTOR DTC144EKA-T146	
IC6455	8-759-008-70	IC LM358N		Q6402	1-801-806-11	TRANSISTOR DTC144EKA-T146	
IC6456	8-759-822-38	IC LA6510		Q6403	8-729-120-28	TRANSISTOR 2SC2412K-T-146-R	
< FILTER >				Q6404	8-729-026-49	TRANSISTOR 2SA1037AK-T146-R	
LF6301	1-406-989-21	INDUCTOR 10MH		Q6405	8-729-026-49	TRANSISTOR 2SA1037AK-T146-R	
LF6302	1-416-920-11	INDUCTOR 10MH		Q6455	8-729-120-28	TRANSISTOR 2SC2412K-T-146-R	
				Q6465	8-729-120-28	TRANSISTOR 2SC2412K-T-146-R	
				Q6466	8-729-120-28	TRANSISTOR 2SC2412K-T-146-R	

REF. NO.	PART.NO	DESCRIPTION	REMARK	REF. NO.	PART.NO	DESCRIPTION	REMARK
Q6467	8-729-026-49	TRANSISTOR 2SA1037AK-T146-R		R6145	1-208-782-91	RES-CHIP	1K 0.5% 1/10W
	< RESISTOR >			R6146	1-216-655-11	METAL CHIP	1.5K 0.5% 1/10W
R6100	1-216-033-00	RES-CHIP	220 5% 1/10W	R6147	1-249-377-11	CARBON	0.47 5% 1/4W
R6101	1-216-033-00	RES-CHIP	220 5% 1/10W	R6149	1-216-246-00	RES-CHIP	100K 5% 1/8W
R6102	1-216-057-00	RES-CHIP	2.2K 5% 1/10W	R6150	1-216-671-11	METAL CHIP	6.8K 0.5% 1/10W
R6103	1-216-057-00	RES-CHIP	2.2K 5% 1/10W				
R6104	1-216-057-00	RES-CHIP	2.2K 5% 1/10W	R6154	1-208-772-91	RES-CHIP	390 0.5% 1/10W
				R6155	1-208-778-91	RES-CHIP	680 0.5% 1/10W
R6105	1-216-049-91	RES-CHIP	1K 5% 1/10W	R6158	1-208-792-91	RES-CHIP	2.7K 0.5% 1/10W
R6106	1-216-057-00	RES-CHIP	2.2K 5% 1/10W	R6159	1-216-295-91	SHORT	0
R6107	1-216-659-11	METAL CHIP	2.2K 0.5% 1/10W	R6160	1-216-295-91	SHORT	0
R6108	1-216-659-11	METAL CHIP	2.2K 0.5% 1/10W				
R6109	1-216-683-11	METAL CHIP	22K 0.5% 1/10W	R6161	1-216-673-11	METAL CHIP	8.2K 0.5% 1/10W
				R6162	1-216-049-91	RES-CHIP	1K 5% 1/10W
R6110	1-216-683-11	METAL CHIP	22K 0.5% 1/10W	R6165	1-215-469-00	METAL	100K 1% 1/4W
R6111	1-216-057-00	RES-CHIP	2.2K 5% 1/10W	R6168	1-216-065-91	RES-CHIP	4.7K 5% 1/10W
R6112	1-216-057-00	RES-CHIP	2.2K 5% 1/10W	R6169	1-215-469-00	METAL	100K 1% 1/4W
R6113	1-216-073-00	RES-CHIP	10K 5% 1/10W				
R6114	1-216-073-00	RES-CHIP	10K 5% 1/10W	R6170	1-216-037-00	RES-CHIP	330 5% 1/10W
				R6171	1-216-057-00	RES-CHIP	2.2K 5% 1/10W
R6115	1-216-089-91	RES-CHIP	47K 5% 1/10W	R6174	1-216-081-00	RES-CHIP	22K 5% 1/10W
R6116	1-216-089-91	RES-CHIP	47K 5% 1/10W	R6175	1-216-666-11	METAL CHIP	4.3K 0.5% 1/10W
R6117	1-216-073-00	RES-CHIP	10K 5% 1/10W	R6176	1-208-806-91	RES-CHIP	10K 0.5% 1/10W
R6118	1-216-073-00	RES-CHIP	10K 5% 1/10W				
R6119	1-216-073-00	RES-CHIP	10K 5% 1/10W	R6177	1-216-065-91	RES-CHIP	4.7K 5% 1/10W
				R6179	1-216-663-11	METAL CHIP	3.3K 0.5% 1/10W
R6120	1-216-057-00	RES-CHIP	2.2K 5% 1/10W	R6180	1-216-057-00	RES-CHIP	2.2K 5% 1/10W
R6121	1-216-057-00	RES-CHIP	2.2K 5% 1/10W	R6182	1-216-089-91	RES-CHIP	47K 5% 1/10W
R6122	1-216-057-00	RES-CHIP	2.2K 5% 1/10W	R6183	1-216-057-00	RES-CHIP	2.2K 5% 1/10W
R6123	1-216-089-91	RES-CHIP	47K 5% 1/10W				
R6124	1-216-089-91	RES-CHIP	47K 5% 1/10W	R6186	1-208-766-91	RES-CHIP	220 0.5% 1/10W
				R6187	1-216-683-11	METAL CHIP	22K 0.5% 1/10W
R6125	1-216-057-00	RES-CHIP	2.2K 5% 1/10W	R6188	1-216-065-91	RES-CHIP	4.7K 5% 1/10W
R6126	1-216-037-00	RES-CHIP	330 5% 1/10W	R6189	1-208-794-91	RES-CHIP	3.3K 0.5% 1/10W
R6127	1-216-663-11	METAL CHIP	3.3K 0.5% 1/10W	R6190	1-216-057-00	RES-CHIP	2.2K 5% 1/10W
R6128	1-216-691-11	METAL CHIP	47K 0.5% 1/10W				
R6129	1-216-691-11	METAL CHIP	47K 0.5% 1/10W	R6191	1-215-925-11	METAL OXIDE	22K 5% 3W
				R6192	1-216-673-11	METAL CHIP	8.2K 0.5% 1/10W
R6130	1-218-769-11	METAL CHIP	510K 0.5% 1/10W	R6195	1-216-675-91	METAL CHIP	10K 0.5% 1/10W
R6131	1-216-037-00	RES-CHIP	330 5% 1/10W	R6196	1-249-377-11	CARBON	0.47 5% 1/4W
R6132	1-216-037-00	RES-CHIP	330 5% 1/10W	R6199	1-216-081-00	RES-CHIP	22K 5% 1/10W
R6133	1-216-037-00	RES-CHIP	330 5% 1/10W				
R6135	1-163-021-91	CERAMIC CHIP 0.01UF	10.00% 50V	R6205	1-216-025-91	RES-CHIP	100 5% 1/10W
				R6206	1-208-830-91	RES-CHIP	100K 0.5% 1/10W
R6136	1-216-691-11	METAL CHIP	47K 0.5% 1/10W	R6207	1-208-834-91	RES-CHIP	150K 0.5% 1/10W
R6137	1-216-691-11	METAL CHIP	47K 0.5% 1/10W	R6208	1-216-089-91	RES-CHIP	47K 5% 1/10W
R6138	1-216-691-11	METAL CHIP	47K 0.5% 1/10W	R6210	1-216-057-00	RES-CHIP	2.2K 5% 1/10W
R6139	1-216-691-11	METAL CHIP	47K 0.5% 1/10W				
R6140	1-216-057-00	RES-CHIP	2.2K 5% 1/10W	R6211	1-216-073-00	RES-CHIP	10K 5% 1/10W
				R6212	1-216-057-00	RES-CHIP	2.2K 5% 1/10W
R6141	1-208-806-91	RES-CHIP	10K 0.5% 1/10W	R6215	1-216-089-91	RES-CHIP	47K 5% 1/10W
R6142	1-216-659-11	METAL CHIP	2.2K 0.5% 1/10W	R6216	1-216-089-91	RES-CHIP	47K 5% 1/10W
R6143	1-216-057-00	RES-CHIP	2.2K 5% 1/10W	R6217	1-216-073-00	RES-CHIP	10K 5% 1/10W
R6144	1-216-254-00	RES-CHIP	220K 5% 1/8W				
				R6218	1-216-295-91	SHORT	0
				R6254	1-216-049-91	RES-CHIP	1K 5% 1/10W

REF.NO.	PART.NO	DESCRIPTION	REMARK	REF.NO.	PART.NO	DESCRIPTION	REMARK
R6255	1-216-061-00	RES-CHIP	3.3K 5% 1/10W	R6319	1-216-033-00	RES-CHIP	220 5% 1/10W
R6256	1-216-057-00	RES-CHIP	2.2K 5% 1/10W	R6320	1-215-906-11	METAL OXIDE	15 5% 3W
R6257	1-216-061-00	RES-CHIP	3.3K 5% 1/10W	R6321	1-218-756-11	METAL CHIP	150K 0.5% 1/10W
R6258	1-216-057-00	RES-CHIP	2.2K 5% 1/10W	R6322	1-216-651-11	METAL CHIP	1K 0.5% 1/10W
R6259	1-216-097-91	RES-CHIP	100K 5% 1/10W	R6323	1-208-798-91	RES-CHIP	4.7K 0.5% 1/10W
R6260	1-216-049-91	RES-CHIP	1K 5% 1/10W	R6324	1-218-760-11	METAL CHIP	220K 0.5% 1/10W
R6261	1-216-097-91	RES-CHIP	100K 5% 1/10W	R6325	1-216-353-00	METAL OXIDE	2.2 5% 1W
R6262	1-260-321-71	CARBON	270 5% 1/2W	R6326	1-216-073-00	RES-CHIP	10K 5% 1/10W
R6263	1-216-025-91	RES-CHIP	100 5% 1/10W	R6327	1-216-659-11	METAL CHIP	2.2K 0.5% 1/10W
R6264	1-216-025-91	RES-CHIP	100 5% 1/10W	R6328	1-216-675-91	METAL CHIP	10K 0.5% 1/10W
R6265	1-216-107-00	RES-CHIP	270K 5% 1/10W	R6329	1-216-113-00	RES-CHIP	470K 5% 1/10W
R6266	1-216-097-91	RES-CHIP	100K 5% 1/10W	R6330	1-216-667-11	METAL CHIP	4.7K 0.5% 1/10W
R6267	1-216-049-91	RES-CHIP	1K 5% 1/10W	R6331	1-216-667-11	METAL CHIP	4.7K 0.5% 1/10W
R6268	1-216-069-00	RES-CHIP	6.8K 5% 1/10W	R6350	1-216-089-91	RES-CHIP	47K 5% 1/10W
R6269	1-216-039-00	RES-CHIP	390 5% 1/10W	R6357	1-216-057-00	RES-CHIP	2.2K 5% 1/10W
R6270	1-216-057-00	RES-CHIP	2.2K 5% 1/10W	R6359	1-216-097-91	RES-CHIP	100K 5% 1/10W
R6271	1-216-073-00	RES-CHIP	10K 5% 1/10W	R6360	1-216-073-00	RES-CHIP	10K 5% 1/10W
R6272	1-216-065-91	RES-CHIP	4.7K 5% 1/10W	R6361	1-216-097-91	RES-CHIP	100K 5% 1/10W
R6276	1-216-061-00	RES-CHIP	3.3K 5% 1/10W	R6362	1-216-683-11	METAL CHIP	22K 0.5% 1/10W
R6277	1-216-073-00	RES-CHIP	10K 5% 1/10W	R6367	1-216-679-11	METAL CHIP	15K 0.5% 1/10W
R6278	1-216-057-00	RES-CHIP	2.2K 5% 1/10W	R6368	1-208-820-91	RES-CHIP	39K 0.5% 1/10W
R6279	1-216-057-00	RES-CHIP	2.2K 5% 1/10W	R6374	1-216-679-11	METAL CHIP	15K 0.5% 1/10W
R6280	1-212-849-00	FUSIBLE	4.7 5% 1/4W	R6375	1-216-041-00	RES-CHIP	470 5% 1/10W
R6281	1-212-849-00	FUSIBLE	4.7 5% 1/4W	R6378	1-216-675-91	METAL CHIP	10K 0.5% 1/10W
R6282	1-215-886-11	METAL OXIDE	100 5% 2W	R6379	1-216-295-91	SHORT	0
R6283	1-216-393-00	METAL OXIDE	2.2 5% 3W	R6382	1-216-693-11	METAL CHIP	56K 0.5% 1/10W
R6284	1-216-101-00	RES-CHIP	150K 5% 1/10W	R6385	1-216-295-91	SHORT	0
R6285	1-216-057-00	RES-CHIP	2.2K 5% 1/10W	R6386	1-216-699-91	METAL CHIP	100K 0.5% 1/10W
R6286	1-216-073-00	RES-CHIP	10K 5% 1/10W	R6391	1-249-417-11	CARBON	1K 5% 1/4W
R6287	1-216-085-00	RES-CHIP	33K 5% 1/10W	R6394	1-216-069-00	RES-CHIP	6.8K 5% 1/10W
R6288	1-216-049-91	RES-CHIP	1K 5% 1/10W	R6401	1-216-295-91	SHORT	0
R6301	1-216-025-91	RES-CHIP	100 5% 1/10W	R6402	1-216-295-91	SHORT	0
R6303	1-216-049-91	RES-CHIP	1K 5% 1/10W	R6403	1-216-661-11	METAL CHIP	2.7K 0.5% 1/10W
R6304	1-535-465-11	LEAD, JUMPER (5.0MM)		R6404	1-216-683-11	METAL CHIP	22K 0.5% 1/10W
R6305	1-216-065-91	RES-CHIP	4.7K 5% 1/10W	R6405	1-216-683-11	METAL CHIP	22K 0.5% 1/10W
R6306	1-216-073-00	RES-CHIP	10K 5% 1/10W	R6406	1-216-679-11	METAL CHIP	15K 0.5% 1/10W
R6307	1-216-073-00	RES-CHIP	10K 5% 1/10W	R6407	1-216-025-91	RES-CHIP	100 5% 1/10W
R6308	1-216-105-91	RES-CHIP	220K 5% 1/10W	R6408	1-216-017-91	RES-CHIP	47 5% 1/10W
R6309	1-216-677-11	METAL CHIP	12K 0.5% 1/10W	R6409	1-216-025-91	RES-CHIP	100 5% 1/10W
R6310	1-216-675-91	METAL CHIP	10K 0.5% 1/10W	R6410	1-216-073-00	RES-CHIP	10K 5% 1/10W
R6311	1-216-081-00	RES-CHIP	22K 5% 1/10W	R6411	1-216-073-00	RES-CHIP	10K 5% 1/10W
R6312	1-216-057-00	RES-CHIP	2.2K 5% 1/10W	R6412	1-216-073-00	RES-CHIP	10K 5% 1/10W
R6314	1-216-049-91	RES-CHIP	1K 5% 1/10W	R6413	1-216-296-91	SHORT	0
R6315	1-216-679-11	METAL CHIP	15K 0.5% 1/10W	R6414	1-216-683-11	METAL CHIP	22K 0.5% 1/10W
R6316	1-216-073-00	RES-CHIP	10K 5% 1/10W	R6415	1-216-683-11	METAL CHIP	22K 0.5% 1/10W
R6317	1-216-061-00	RES-CHIP	3.3K 5% 1/10W	R6416	1-216-683-11	METAL CHIP	22K 0.5% 1/10W
R6318	1-216-057-00	RES-CHIP	2.2K 5% 1/10W	R6418	1-216-091-00	RES-CHIP	56K 5% 1/10W

REF. NO.	PART.NO	DESCRIPTION	REMARK
R6419	1-216-073-00	RES-CHIP 10K 5%	1/10W
R6420	1-216-089-91	RES-CHIP 47K 5%	1/10W
R6421	1-216-629-11	METAL CHIP 120 0.5%	1/10W
R6422	1-216-639-11	METAL CHIP 330 0.5%	1/10W
R6423	1-216-657-11	METAL CHIP 1.8K 0.5%	1/10W
R6424	1-216-017-91	RES-CHIP 47 5%	1/10W
R6425	1-216-295-91	SHORT 0	
R6426	1-216-081-00	RES-CHIP 22K 5%	1/10W
R6427	1-216-081-00	RES-CHIP 22K 5%	1/10W
R6428	1-216-101-00	RES-CHIP 150K 5%	1/10W
R6429	1-216-065-91	RES-CHIP 4.7K 5%	1/10W
R6430	1-216-065-91	RES-CHIP 4.7K 5%	1/10W
R6431	1-216-113-00	RES-CHIP 470K 5%	1/10W
R6432	1-216-057-00	RES-CHIP 2.2K 5%	1/10W
R6433	1-216-073-00	RES-CHIP 10K 5%	1/10W
R6437	1-249-422-11	CARBON 2.7K 5%	1/4W
R6438	1-249-421-11	CARBON 2.2K 5%	1/4W
R6439	1-216-683-11	METAL CHIP 22K 0.5%	1/10W
R6440	1-216-683-11	METAL CHIP 22K 0.5%	1/10W
R6441	1-216-675-91	METAL CHIP 10K 0.5%	1/10W
R6442	1-216-039-00	RES-CHIP 390 5%	1/10W
R6455	1-216-295-91	SHORT 0	
R6456	1-216-097-91	RES-CHIP 100K 5%	1/10W
R6457	1-216-075-00	RES-CHIP 12K 5%	1/10W
R6458	1-216-089-91	RES-CHIP 47K 5%	1/10W
R6459	1-216-057-00	RES-CHIP 2.2K 5%	1/10W
R6460	1-249-393-11	CARBON 10 5%	1/4W
R6461	1-249-415-11	CARBON 680 5%	1/4W
R6462	1-249-409-11	CARBON 220 5%	1/4W
R6463	1-216-095-00	RES-CHIP 82K 5%	1/10W
R6464	1-216-079-00	RES-CHIP 18K 5%	1/10W
R6465	1-216-073-00	RES-CHIP 10K 5%	1/10W
R6466	1-216-073-00	RES-CHIP 10K 5%	1/10W
R6467	1-216-073-00	RES-CHIP 10K 5%	1/10W
R6468	1-216-693-11	METAL CHIP 56K 0.5%	1/10W
R6469	1-216-673-11	METAL CHIP 8.2K 0.5%	1/10W
R6470	1-216-653-11	METAL CHIP 1.2K 0.5%	1/10W
R6471	1-216-053-00	RES-CHIP 1.5K 5%	1/10W
R6472	1-216-093-91	RES-CHIP 68K 5%	1/10W
R6474	1-216-105-91	RES-CHIP 220K 5%	1/10W
R6475	1-208-814-91	RES-CHIP 22K 0.5%	1/10W
R6476	1-208-826-91	RES-CHIP 68K 0.5%	1/10W
R6477	1-216-057-00	RES-CHIP 2.2K 5%	1/10W
R6478	1-216-113-00	RES-CHIP 470K 5%	1/10W
R6479	1-208-822-91	RES-CHIP 47K 0.5%	1/10W
R6480	1-216-057-00	RES-CHIP 2.2K 5%	1/10W
R6494	1-216-065-91	RES-CHIP 4.7K 5%	1/10W

*A-1651-136-A J Board, Complete

< CAPACITOR >

C8105	1-126-933-11	ELECT 100UF	20.00% 16V
C8106	1-126-933-11	ELECT 100UF	20.00% 16V
C8107	1-126-935-11	ELECT 470UF	20.00% 16V
C8108	1-126-933-11	ELECT 100UF	20.00% 16V
C8109	1-164-004-11	CERAMIC CHIP 0.1UF	10.00% 25V
C8110	1-164-004-11	CERAMIC CHIP 0.1UF	10.00% 25V
C8111	1-126-933-11	ELECT 100UF	20.00% 16V
C8112	1-107-715-11	ELECT 22UF	20.00% 16V
C8144	1-107-823-11	CERAMIC CHIP 0.47UF	10.00% 16V
C8145	1-107-823-11	CERAMIC CHIP 0.47UF	10.00% 16V
C8150	1-163-251-11	CERAMIC CHIP 100PF	5.00% 50V
C8151	1-163-017-00	CERAMIC CHIP 0.0047UF	10.00% 50V
C8152	1-164-346-11	CERAMIC CHIP 1UF	16V
C8153	1-107-682-11	CERAMIC CHIP 1UF	10.00% 16V
C8154	1-163-021-91	CERAMIC CHIP 0.01UF	10.00% 50V
C8155	1-107-682-11	CERAMIC CHIP 1UF	10.00% 16V
C8156	1-164-505-11	CERAMIC CHIP 2.2UF	16V
C8157	1-163-021-91	CERAMIC CHIP 0.01UF	10.00% 50V
C8159	1-104-664-11	ELECT 47UF	20.00% 16V
C8200	1-104-664-11	ELECT 47UF	20.00% 16V
C8201	1-163-241-11	CERAMIC CHIP 39PF	5.00% 50V
C8202	1-164-004-11	CERAMIC CHIP 0.1UF	10.00% 25V
C8203	1-164-004-11	CERAMIC CHIP 0.1UF	10.00% 25V
C8204	1-164-506-11	CERAMIC CHIP 4.7UF	16V
C8205	1-165-319-11	CERAMIC CHIP 0.1UF	50V
C8208	1-164-506-11	CERAMIC CHIP 4.7UF	16V
C8209	1-163-251-11	CERAMIC CHIP 100PF	5.00% 50V
C8210	1-164-004-11	CERAMIC CHIP 0.1UF	10.00% 25V
C8211	1-163-243-11	CERAMIC CHIP 47PF	5.00% 50V
C8212	1-163-243-11	CERAMIC CHIP 47PF	5.00% 50V
C8213	1-163-087-00	CERAMIC CHIP 4PF	0.25PF 50V
C8214	1-163-087-00	CERAMIC CHIP 4PF	0.25PF 50V
C8215	1-163-243-11	CERAMIC CHIP 47PF	5.00% 50V
C8216	1-126-933-11	ELECT 100UF	20.00% 16V
C8217	1-164-004-11	CERAMIC CHIP 0.1UF	10.00% 25V
C8218	1-126-964-11	ELECT 10UF	20.00% 50V
C8219	1-164-004-11	CERAMIC CHIP 0.1UF	10.00% 25V
C8220	1-126-964-11	ELECT 10UF	20.00% 50V
C8221	1-104-664-11	ELECT 47UF	20.00% 16V
C8222	1-104-664-11	ELECT 47UF	20.00% 16V
C8223	1-104-664-11	ELECT 47UF	20.00% 16V
C8224	1-164-004-11	CERAMIC CHIP 0.1UF	10.00% 25V
C8225	1-104-664-11	ELECT 47UF	20.00% 16V
C8227	1-163-009-11	CERAMIC CHIP 0.001UF	10.00% 50V

REF.NO.	PART.NO	DESCRIPTION	REMARK	REF.NO.	PART.NO	DESCRIPTION	REMARK
C8228	1-163-009-11	CERAMIC CHIP 0.001UF	10.00% 50V	C8346	1-126-963-11	ELECT 4.7UF	20.00% 50V
C8229	1-163-009-11	CERAMIC CHIP 0.001UF	10.00% 50V	C8349	1-163-113-00	CERAMIC CHIP 68PF	5.00% 50V
C8230	1-163-009-11	CERAMIC CHIP 0.001UF	10.00% 50V	C8401	1-107-823-11	CERAMIC CHIP 0.47UF	10.00% 16V
C8231	1-163-009-11	CERAMIC CHIP 0.001UF	10.00% 50V	C8402	1-163-037-11	CERAMIC CHIP 0.022UF	10.00% 50V
C8232	1-164-004-11	CERAMIC CHIP 0.1UF	10.00% 25V	C8403	1-163-021-91	CERAMIC CHIP 0.01UF	10.00% 50V
C8233	1-104-664-11	ELECT 47UF	20.00% 16V	C8404	1-126-961-11	ELECT 2.2UF	20.00% 50V
C8234	1-107-823-11	CERAMIC CHIP 0.47UF	10.00% 16V	C8405	1-104-664-11	ELECT 47UF	20.00% 16V
C8235	1-107-823-11	CERAMIC CHIP 0.47UF	10.00% 16V	C8406	1-104-664-11	ELECT 47UF	20.00% 16V
C8236	1-126-933-11	ELECT 100UF	20.00% 16V	C8407	1-115-340-11	CERAMIC CHIP 0.22UF	10.00% 25V
C8237	1-163-021-91	CERAMIC CHIP 0.01UF	10.00% 50V	C8408	1-164-004-11	CERAMIC CHIP 0.1UF	10.00% 25V
C8238	1-164-505-11	CERAMIC CHIP 2.2UF	16V	C8409	1-115-340-11	CERAMIC CHIP 0.22UF	10.00% 25V
C8239	1-107-823-11	CERAMIC CHIP 0.47UF	10.00% 16V	C8410	1-163-021-91	CERAMIC CHIP 0.01UF	10.00% 50V
C8240	1-107-823-11	CERAMIC CHIP 0.47UF	10.00% 16V	C8411	1-163-021-91	CERAMIC CHIP 0.01UF	10.00% 50V
C8241	1-126-964-11	ELECT 10UF	20.00% 50V	C8412	1-115-340-11	CERAMIC CHIP 0.22UF	10.00% 25V
C8242	1-104-664-11	ELECT 47UF	20.00% 16V	C8413	1-104-664-11	ELECT 47UF	20.00% 16V
C8243	1-110-501-11	CERAMIC CHIP 0.33UF	10.00% 16V	C8414	1-104-664-11	ELECT 47UF	20.00% 16V
C8301	1-163-037-11	CERAMIC CHIP 0.022UF	10.00% 50V	C8415	1-163-227-11	CERAMIC CHIP 10PF	0.50PF 50V
C8302	1-163-021-91	CERAMIC CHIP 0.01UF	10.00% 50V	C8416	1-164-004-11	CERAMIC CHIP 0.1UF	10.00% 25V
C8303	1-126-933-11	ELECT 100UF	20.00% 16V	C8417	1-164-346-11	CERAMIC CHIP 1UF	16V
C8304	1-115-340-11	CERAMIC CHIP 0.22UF	10.00% 25V	C8418	1-164-004-11	CERAMIC CHIP 0.1UF	10.00% 25V
C8305	1-163-021-91	CERAMIC CHIP 0.01UF	10.00% 50V	C8419	1-126-964-11	ELECT 10UF	20.00% 50V
C8306	1-107-823-11	CERAMIC CHIP 0.47UF	10.00% 16V	C8420	1-104-664-11	ELECT 47UF	20.00% 16V
C8307	1-115-340-11	CERAMIC CHIP 0.22UF	10.00% 25V	C8421	1-126-933-11	ELECT 100UF	20.00% 16V
C8308	1-115-340-11	CERAMIC CHIP 0.22UF	10.00% 25V	C8423	1-163-021-91	CERAMIC CHIP 0.01UF	10.00% 50V
C8309	1-126-961-11	ELECT 2.2UF	20.00% 50V	C8424	1-115-340-11	CERAMIC CHIP 0.22UF	10.00% 25V
C8311	1-104-664-11	ELECT 47UF	20.00% 16V	C8427	1-163-021-91	CERAMIC CHIP 0.01UF	10.00% 50V
C8313	1-163-021-91	CERAMIC CHIP 0.01UF	10.00% 50V	C8437	1-126-963-11	ELECT 4.7UF	20.00% 50V
C8314	1-163-021-91	CERAMIC CHIP 0.01UF	10.00% 50V	C8501	1-163-021-91	CERAMIC CHIP 0.01UF	10.00% 50V
C8318	1-104-664-11	ELECT 47UF	20.00% 16V	C8503	1-164-004-11	CERAMIC CHIP 0.1UF	10.00% 25V
C8321	1-104-664-11	ELECT 47UF	20.00% 16V	C8504	1-164-004-11	CERAMIC CHIP 0.1UF	10.00% 25V
C8322	1-163-227-11	CERAMIC CHIP 10PF	0.50PF 50V	C8505	1-126-933-11	ELECT 100UF	20.00% 16V
C8323	1-164-004-11	CERAMIC CHIP 0.1UF	10.00% 25V	C8506	1-163-037-11	CERAMIC CHIP 0.022UF	10.00% 50V
C8324	1-164-004-11	CERAMIC CHIP 0.1UF	10.00% 25V	C8507	1-164-004-11	CERAMIC CHIP 0.1UF	10.00% 25V
C8325	1-126-964-11	ELECT 10UF	20.00% 50V	C8508	1-164-004-11	CERAMIC CHIP 0.1UF	10.00% 25V
C8326	1-104-664-11	ELECT 47UF	20.00% 16V	C8509	1-126-933-11	ELECT 100UF	20.00% 16V
C8327	1-107-682-11	CERAMIC CHIP 1UF	10.00% 16V	C8510	1-104-664-11	ELECT 47UF	20.00% 16V
C8328	1-104-664-11	ELECT 47UF	20.00% 16V	C8511	1-164-004-11	CERAMIC CHIP 0.1UF	10.00% 25V
C8329	1-163-021-91	CERAMIC CHIP 0.01UF	10.00% 50V	C8512	1-164-004-11	CERAMIC CHIP 0.1UF	10.00% 25V
C8331	1-163-021-91	CERAMIC CHIP 0.01UF	10.00% 50V	C8513	1-164-004-11	CERAMIC CHIP 0.1UF	10.00% 25V
C8332	1-164-004-11	CERAMIC CHIP 0.1UF	10.00% 25V	C8514	1-164-004-11	CERAMIC CHIP 0.1UF	10.00% 25V
C8333	1-164-004-11	CERAMIC CHIP 0.1UF	10.00% 25V	C8515	1-164-004-11	CERAMIC CHIP 0.1UF	10.00% 25V
C8334	1-164-004-11	CERAMIC CHIP 0.1UF	10.00% 25V	C8516	1-164-004-11	CERAMIC CHIP 0.1UF	10.00% 25V
C8335	1-163-021-91	CERAMIC CHIP 0.01UF	10.00% 50V	C8517	1-164-004-11	CERAMIC CHIP 0.1UF	10.00% 25V
C8336	1-164-004-11	CERAMIC CHIP 0.1UF	10.00% 25V	C8518	1-164-004-11	CERAMIC CHIP 0.1UF	10.00% 25V
C8337	1-164-004-11	CERAMIC CHIP 0.1UF	10.00% 25V	C8519	1-164-004-11	CERAMIC CHIP 0.1UF	10.00% 25V
C8338	1-164-004-11	CERAMIC CHIP 0.1UF	10.00% 25V	C8520	1-164-004-11	CERAMIC CHIP 0.1UF	10.00% 25V
C8345	1-164-346-11	CERAMIC CHIP 1UF	16V	C8521	1-164-004-11	CERAMIC CHIP 0.1UF	10.00% 25V

REF. NO.	PART.NO	DESCRIPTION	REMARK	REF. NO.	PART.NO	DESCRIPTION	REMARK
C8601	1-115-340-11	CERAMIC CHIP 0.22UF	10.00% 25V	C8855	1-164-346-11	CERAMIC CHIP 1UF	16V
C8602	1-115-340-11	CERAMIC CHIP 0.22UF	10.00% 25V	C8856	1-164-346-11	CERAMIC CHIP 1UF	16V
C8605	1-115-340-11	CERAMIC CHIP 0.22UF	10.00% 25V	C8857	1-164-346-11	CERAMIC CHIP 1UF	16V
C8606	1-115-340-11	CERAMIC CHIP 0.22UF	10.00% 25V	C8858	1-164-346-11	CERAMIC CHIP 1UF	16V
C8607	1-104-664-11	ELECT 47UF	20.00% 16V	C8859	1-164-346-11	CERAMIC CHIP 1UF	16V
C8608	1-104-664-11	ELECT 47UF	20.00% 16V	C8860	1-164-346-11	CERAMIC CHIP 1UF	16V
C8609	1-115-340-11	CERAMIC CHIP 0.22UF	10.00% 25V	C8861	1-164-346-11	CERAMIC CHIP 1UF	16V
C8610	1-115-340-11	CERAMIC CHIP 0.22UF	10.00% 25V	C8862	1-164-346-11	CERAMIC CHIP 1UF	16V
C8611	1-115-340-11	CERAMIC CHIP 0.22UF	10.00% 25V	C8863	1-164-004-11	CERAMIC CHIP 0.1UF	10.00% 25V
C8612	1-115-340-11	CERAMIC CHIP 0.22UF	10.00% 25V	C8864	1-164-346-11	CERAMIC CHIP 1UF	16V
C8613	1-104-664-11	ELECT 47UF	20.00% 16V	C8865	1-104-664-11	ELECT 47UF	20.00% 16V
C8614	1-104-664-11	ELECT 47UF	20.00% 16V	C8866	1-164-346-11	CERAMIC CHIP 1UF	16V
C8804	1-126-933-11	ELECT 100UF	20.00% 16V	C8867	1-164-004-11	CERAMIC CHIP 0.1UF	10.00% 25V
C8812	1-163-021-91	CERAMIC CHIP 0.01UF	10.00% 50V	C8868	1-126-964-11	ELECT 10UF	20.00% 50V
C8814	1-104-664-11	ELECT 47UF	20.00% 25V	C8869	1-164-004-11	CERAMIC CHIP 0.1UF	10.00% 25V
C8817	1-126-933-11	ELECT 100UF	20.00% 16V	C8896	1-163-251-11	CERAMIC CHIP 100PF	5.00% 50V
C8822	1-126-933-11	ELECT 100UF	20.00% 16V	C8897	1-163-251-11	CERAMIC CHIP 100PF	5.00% 50V
C8823	1-163-021-91	CERAMIC CHIP 0.01UF	10.00% 50V	C8898	1-163-227-11	CERAMIC CHIP 10PF	0.50PF 50V
C8824	1-104-664-11	ELECT 47UF	20.00% 25V	C8899	1-163-227-11	CERAMIC CHIP 10PF	0.50PF 50V
C8825	1-115-340-11	CERAMIC CHIP 0.22UF	10.00% 25V	C8900	1-163-251-11	CERAMIC CHIP 100PF	5.00% 50V
C8826	1-163-251-11	CERAMIC CHIP 100PF	5.00% 50V	C8901	1-163-017-00	CERAMIC CHIP 0.0047UF	10.00% 50V
C8827	1-164-004-11	CERAMIC CHIP 0.1UF	10.00% 25V	C8902	1-163-017-00	CERAMIC CHIP 0.0047UF	10.00% 50V
C8828	1-164-004-11	CERAMIC CHIP 0.1UF	10.00% 25V	C8903	1-163-251-11	CERAMIC CHIP 100PF	5.00% 50V
C8829	1-164-004-11	CERAMIC CHIP 0.1UF	10.00% 25V	C8904	1-163-017-00	CERAMIC CHIP 0.0047UF	10.00% 50V
C8830	1-164-004-11	CERAMIC CHIP 0.1UF	10.00% 25V	C8905	1-163-251-11	CERAMIC CHIP 100PF	5.00% 50V
C8831	1-126-964-11	ELECT 10UF	20.00% 50V	C8906	1-163-251-11	CERAMIC CHIP 100PF	5.00% 50V
C8832	1-164-004-11	CERAMIC CHIP 0.1UF	10.00% 25V	C8907	1-163-017-00	CERAMIC CHIP 0.0047UF	10.00% 50V
C8833	1-164-004-11	CERAMIC CHIP 0.1UF	10.00% 25V	C8908	1-163-251-11	CERAMIC CHIP 100PF	5.00% 50V
C8834	1-164-004-11	CERAMIC CHIP 0.1UF	10.00% 25V	C8909	1-163-017-00	CERAMIC CHIP 0.0047UF	10.00% 50V
C8835	1-164-004-11	CERAMIC CHIP 0.1UF	10.00% 25V	C8910	1-163-251-11	CERAMIC CHIP 100PF	5.00% 50V
C8836	1-164-004-11	CERAMIC CHIP 0.1UF	10.00% 25V	C8911	1-163-017-00	CERAMIC CHIP 0.0047UF	10.00% 50V
C8837	1-164-004-11	CERAMIC CHIP 0.1UF	10.00% 25V	C8914	1-126-933-11	ELECT 100UF	20.00% 16V
C8838	1-164-004-11	CERAMIC CHIP 0.1UF	10.00% 25V	C8977	1-163-009-11	CERAMIC CHIP 0.001UF	10.00% 50V
C8839	1-163-251-11	CERAMIC CHIP 100PF	5.00% 50V	C8978	1-163-009-11	CERAMIC CHIP 0.001UF	10.00% 50V
C8840	1-164-004-11	CERAMIC CHIP 0.1UF	10.00% 25V	< FILTER >			
C8841	1-164-004-11	CERAMIC CHIP 0.1UF	10.00% 25V	CF8150	1-760-106-11	FILTER, CERAMIC	
C8842	1-104-664-11	ELECT 47UF	20.00% 16V	CF8151	1-567-100-00	FILTER, CERAMIC	
C8843	1-164-004-11	CERAMIC CHIP 0.1UF	10.00% 25V	CF8152	1-760-450-21	FILTER, CERAMIC	
C8844	1-163-021-91	CERAMIC CHIP 0.01UF	10.00% 50V	CF8200	1-409-327-00	TRAP, CERAMIC (6.5MHZ)	
C8846	1-126-933-11	ELECT 100UF	20.00% 16V	< CONNECTOR >			
C8847	1-164-004-11	CERAMIC CHIP 0.1UF	10.00% 25V	CN8101	1-695-302-11	CONNECTOR, BOARD TO BOARD 50P	
C8849	1-164-346-11	CERAMIC CHIP 1UF	16V	CN8900	1-561-534-41	SOCKET, PIN 21P	
C8850	1-164-346-11	CERAMIC CHIP 1UF	16V	CN8901	1-695-293-11	SOCKET 21P	
C8851	1-126-967-11	ELECT 47UF	20.00% 50V	CN8902	1-695-293-11	SOCKET 21P	
C8852	1-164-346-11	CERAMIC CHIP 1UF	16V				
C8853	1-126-967-11	ELECT 47UF	20.00% 50V				
C8854	1-164-346-11	CERAMIC CHIP 1UF	16V				

REF.NO.	PART.NO	DESCRIPTION	REMARK	REF.NO.	PART.NO	DESCRIPTION	REMARK
< DIODE >				FL8308	1-236-071-11	ENCAPSULATED COMPONENT	
D8150	8-719-421-57	DIODE MA73-TX		FL8401	1-236-071-11	ENCAPSULATED COMPONENT	
D8151	8-719-421-57	DIODE MA73-TX		FL8402	1-236-071-11	ENCAPSULATED COMPONENT	
D8152	8-719-421-57	DIODE MA73-TX		FL8403	1-236-071-11	ENCAPSULATED COMPONENT	
D8153	8-719-056-83	DIODE UDZ-TE-17-6.8B		FL8500	1-236-071-11	ENCAPSULATED COMPONENT	
D8200	8-719-158-49	DIODE UDZ-TE-17-12B					
D8201	8-719-158-49	DIODE UDZ-TE-17-12B		FL8501	1-236-071-11	ENCAPSULATED COMPONENT	
D8202	8-719-158-49	DIODE UDZ-TE-17-12B		FL8502	1-233-765-21	FILTER	
D8203	8-719-158-49	DIODE UDZ-TE-17-12B		FL8503	1-233-768-21	FILTER	
D8801	8-719-158-49	DIODE UDZ-TE-17-12B		FL8504	1-233-766-21	FILTER	
D8802	8-719-158-49	DIODE UDZ-TE-17-12B		FL8801	1-236-071-11	ENCAPSULATED COMPONENT	
D8803	8-719-158-49	DIODE UDZ-TE-17-12B					
D8804	8-719-158-49	DIODE UDZ-TE-17-12B		< IC >			
D8805	8-719-158-49	DIODE UDZ-TE-17-12B		IC8101	8-759-576-76	IC TDA2822D013TR	
D8806	8-719-158-49	DIODE UDZ-TE-17-12B		IC8150	8-759-478-90	IC U2861B-MFP-G3	
D8807	8-719-158-49	DIODE UDZ-TE-17-12B		IC8151	8-752-072-94	IC CXA1875AM-T4	
D8808	8-719-158-49	DIODE UDZ-TE-17-12B		IC8200	8-759-654-42	IC MSP3410D-C5QA-B4	
D8809	8-719-158-49	DIODE UDZ-TE-17-12B		IC8201	8-759-701-36	IC MC3403NS-E20	
D8810	8-719-158-49	DIODE UDZ-TE-17-12B					
D8811	8-719-158-49	DIODE UDZ-TE-17-12B		IC8202	8-759-908-15	IC TL431CZ	
D8812	8-719-158-49	DIODE UDZ-TE-17-12B		IC8301	8-752-096-06	IC CXA2163Q-T6	
D8813	8-719-158-49	DIODE UDZ-TE-17-12B		IC8302	8-759-485-79	IC TC7SET08FU(TE85R)	
D8814	8-719-158-49	DIODE UDZ-TE-17-12B		IC8401	8-752-096-06	IC CXA2163Q-T6	
D8900	8-719-069-59	DIODE UDZS-TE-17-8.2B		IC8402	8-759-485-79	IC TC7SET08FU(TE85R)	
D8901	8-719-158-49	DIODE UDZ-TE-17-12B					
D8902	8-719-069-59	DIOSE UDZS-TE-17-8.2B		IC8500	8-752-390-37	IC CXD2064Q-T6	
D8903	8-719-069-59	DIOSE UDZS-TE-17-8.2B		IC8601	8-759-182-88	IC PQ09TZ5U	
D8904	8-719-069-59	DIOSE UDZS-TE-17-8.2B		IC8602	8-759-576-72	IC LF50CDT-TR	
D8905	8-719-069-59	DIOSE UDZS-TE-17-8.2B		IC8603	8-759-576-72	IC LF50CDT-TR	
D8906	8-719-069-59	DIOSE UDZS-TE-17-8.2B		IC8604	8-759-576-72	IC LF50CDT-TR	
D8907	8-719-158-49	DIODE UDZ-TE-17-12B					
D8908	8-719-069-59	DIOSE UDZS-TE-17-8.2B		IC8801	8-752-096-83	IC CXA2149AQ-TL	
D8909	8-719-069-59	DIOSE UDZS-TE-17-8.2B		< SOCKET >			
D8910	8-719-069-59	DIOSE UDZS-TE-17-8.2B		J8901	1-774-747-11	JACK BLOCK, PIN	
D8911	8-719-069-59	DIOSE UDZS-TE-17-8.2B		< COIL >			
D8912	8-719-158-49	DIODE UDZ-TE-17-12B		L8150	1-414-757-11	INDUCTOR 100UH	
D8913	8-719-158-49	DIODE UDZ-TE-17-12B		L8200	1-412-006-31	INDUCTOR CHIP 10UH	
D8914	8-719-158-49	DIODE UDZ-TE-17-12B		L8201	1-412-064-11	INDUCTOR CHIP 100UH	
D8915	8-719-158-49	DIODE UDZ-TE-17-12B		L8301	1-412-006-31	INDUCTOR CHIP 10UH	
< FILTER >				< TRANSISTOR >			
FL8200	1-236-071-11	ENCAPSULATED COMPONENT		Q8100	8-729-120-28	TRANSISTOR 2SC2412K-T-146-R	
FL8201	1-233-764-21	FILTER		Q8101	8-729-120-28	TRANSISTOR 2SC2412K-T-146-R	
FL8203	1-236-071-11	ENCAPSULATED COMPONENT		Q8150	8-729-120-28	TRANSISTOR 2SC2412K-T-146-R	
FL8302	1-236-071-11	ENCAPSULATED COMPONENT		Q8151	1-801-806-11	TRANSISTOR DTC144EKA-T146	
FL8304	1-236-071-11	ENCAPSULATED COMPONENT		Q8152	1-801-806-11	TRANSISTOR DTC144EKA-T146	
				Q8153	1-801-806-11	TRANSISTOR DTC144EKA-T146	

REF. NO.	PART.NO	DESCRIPTION	REMARK	REF. NO.	PART.NO	DESCRIPTION	REMARK
Q8154	1-801-806-11	TRANSISTOR DTC144EKA-T146		R8115	1-216-029-00	RES-CHIP 150 5%	1/10W
Q8156	8-729-120-28	TRANSISTOR 2SC2412K-T-146-R		R8116	1-216-029-00	RES-CHIP 150 5%	1/10W
Q8157	8-729-120-28	TRANSISTOR 2SC2412K-T-146-R		R8117	1-216-029-00	RES-CHIP 150 5%	1/10W
Q8200	8-729-120-28	TRANSISTOR 2SC2412K-T-146-R		R8118	1-216-029-00	RES-CHIP 150 5%	1/10W
Q8201	8-729-120-28	TRANSISTOR 2SC2412K-T-146-R		R8150	1-216-057-00	RES-CHIP 2.2K 5%	1/10W
Q8202	8-729-120-28	TRANSISTOR 2SC2412K-T-146-R		R8151	1-216-069-00	RES-CHIP 6.8K 5%	1/10W
Q8300	8-729-216-22	TRANSISTOR 2SA1037K-T-146-R		R8152	1-216-035-00	RES-CHIP 270 5%	1/10W
Q8302	8-729-120-28	TRANSISTOR 2SC2412K-T-146-R		R8153	1-216-081-00	RES-CHIP 22K 5%	1/10W
Q8303	8-729-120-28	TRANSISTOR 2SC2412K-T-146-R		R8154	1-216-067-00	RES-CHIP 5.6K 5%	1/10W
Q8305	8-729-120-28	TRANSISTOR 2SC2412K-T-146-R		R8155	1-216-043-91	RES-CHIP 560 5%	1/10W
Q8306	8-729-120-28	TRANSISTOR 2SC2412K-T-146-R		R8156	1-216-081-00	RES-CHIP 22K 5%	1/10W
Q8308	8-729-038-96	TRANSISTOR IMZ1A-T109		R8157	1-216-067-00	RES-CHIP 5.6K 5%	1/10W
Q8309	8-729-038-96	TRANSISTOR IMZ1A-T109		R8158	1-216-043-91	RES-CHIP 560 5%	1/10W
Q8310	8-729-038-96	TRANSISTOR IMZ1A-T109		R8159	1-216-081-00	RES-CHIP 22K 5%	1/10W
Q8401	8-729-120-28	TRANSISTOR 2SC2412K-T-146-R		R8160	1-216-067-00	RES-CHIP 5.6K 5%	1/10W
Q8402	8-729-120-28	TRANSISTOR 2SC2412K-T-146-R		R8161	1-216-043-91	RES-CHIP 560 5%	1/10W
Q8403	8-729-038-96	TRANSISTOR IMZ1A-T109		R8162	1-216-049-91	RES-CHIP 1K 5%	1/10W
Q8404	8-729-120-28	TRANSISTOR 2SC2412K-T-146-R		R8163	1-216-295-91	SHORT 0	
Q8405	8-729-038-96	TRANSISTOR IMZ1A-T109		R8164	1-216-295-91	SHORT 0	
Q8406	8-729-038-96	TRANSISTOR IMZ1A-T109		R8165	1-216-295-91	SHORT 0	
Q8501	8-729-216-22	TRANSISTOR 2SA1037K-T-146-R		R8167	1-216-025-91	RES-CHIP 100 5%	1/10W
Q8503	8-729-216-22	TRANSISTOR 2SA1037K-T-146-R		R8168	1-216-025-91	RES-CHIP 100 5%	1/10W
Q8504	8-729-216-22	TRANSISTOR 2SA1037K-T-146-R		R8174	1-216-065-91	RES-CHIP 4.7K 5%	1/10W
Q8809	8-729-216-22	TRANSISTOR 2SA1037K-T-146-R		R8175	1-216-065-91	RES-CHIP 4.7K 5%	1/10W
Q8814	8-729-120-28	TRANSISTOR 2SC2412K-T-146-R		R8176	1-216-295-91	SHORT 0	
Q8816	8-729-216-22	TRANSISTOR 2SA1037K-T-146-R		R8178	1-216-073-00	RES-CHIP 10K 5%	1/10W
Q8817	8-729-120-28	TRANSISTOR 2SC2412K-T-146-R		R8200	1-216-049-91	RES-CHIP 1K 5%	1/10W
Q8818	8-729-120-28	TRANSISTOR 2SC2412K-T-146-R		R8201	1-216-295-91	SHORT 0	
Q8819	8-729-120-28	TRANSISTOR 2SC2412K-T-146-R		R8202	1-216-021-00	RES-CHIP 68 5%	1/10W
Q8820	8-729-120-28	TRANSISTOR 2SC2412K-T-146-R		R8203	1-216-069-00	RES-CHIP 6.8K 5%	1/10W
Q8901	8-729-120-28	TRANSISTOR 2SC2412K-T-146-R		R8204	1-216-049-91	RES-CHIP 1K 5%	1/10W
Q8902	8-729-216-22	TRANSISTOR 2SA1037K-T-146-R		R8205	1-216-069-00	RES-CHIP 6.8K 5%	1/10W
< RESISTOR >				R8206	1-216-049-91	RES-CHIP 1K 5%	1/10W
JR8101	1-216-295-91	SHORT 0		R8208	1-216-037-00	RES-CHIP 330 5%	1/10W
JR8402	1-216-295-91	SHORT 0		R8209	1-216-659-11	METAL CHIP 2.2K 0.5%	1/10W
R8103	1-216-075-00	RES-CHIP 12K 5%	1/10W	R8210	1-216-025-91	RES-CHIP 100 5%	1/10W
R8104	1-216-075-00	RES-CHIP 12K 5%	1/10W	R8211	1-216-295-91	SHORT 0	
R8105	1-216-057-00	RES-CHIP 2.2K 5%	1/10W	R8212	1-216-295-91	SHORT 0	
R8106	1-216-081-00	RES-CHIP 22K 5%	1/10W	R8213	1-216-295-91	SHORT 0	
R8107	1-216-081-00	RES-CHIP 22K 5%	1/10W	R8216	1-216-025-91	RES-CHIP 100 5%	1/10W
R8108	1-216-057-00	RES-CHIP 2.2K 5%	1/10W	R8217	1-216-025-91	RES-CHIP 100 5%	1/10W
R8109	1-249-389-11	CARBON 4.7 5%	1/4W	R8218	1-216-049-91	RES-CHIP 1K 5%	1/10W
R8110	1-249-389-11	CARBON 4.7 5%	1/4W	R8219	1-216-025-91	RES-CHIP 100 5%	1/10W
R8111	1-216-033-00	RES-CHIP 220 5%	1/10W	R8220	1-216-025-91	RES-CHIP 100 5%	1/10W
R8112	1-216-033-00	RES-CHIP 220 5%	1/10W	R8221	1-216-025-91	RES-CHIP 100 5%	1/10W
				R8222	1-216-295-91	SHORT 0	
				R8223	1-216-089-91	RES-CHIP 47K 5%	1/10W

REF.NO.	PART.NO	DESCRIPTION	REMARK			REF.NO.	PART.NO	DESCRIPTION	REMARK		
R8224	1-216-089-91	RES-CHIP	47K	5%	1/10W	R8338	1-216-017-91	RES-CHIP	47	5%	1/10W
R8225	1-216-089-91	RES-CHIP	47K	5%	1/10W	R8339	1-216-017-91	RES-CHIP	47	5%	1/10W
R8226	1-216-089-91	RES-CHIP	47K	5%	1/10W	R8340	1-216-063-91	RES-CHIP	3.9K	5%	1/10W
R8227	1-216-089-91	RES-CHIP	47K	5%	1/10W	R8341	1-216-041-00	RES-CHIP	470	5%	1/10W
R8228	1-216-089-91	RES-CHIP	47K	5%	1/10W	R8344	1-216-091-00	RES-CHIP	56K	5%	1/10W
R8229	1-216-295-91	SHORT	0			R8345	1-216-079-00	RES-CHIP	18K	5%	1/10W
R8230	1-216-081-00	RES-CHIP	22K	5%	1/10W	R8346	1-216-091-00	RES-CHIP	56K	5%	1/10W
R8231	1-216-089-91	RES-CHIP	47K	5%	1/10W	R8347	1-216-079-00	RES-CHIP	18K	5%	1/10W
R8232	1-216-089-91	RES-CHIP	47K	5%	1/10W	R8350	1-216-049-91	RES-CHIP	1K	5%	1/10W
R8233	1-216-089-91	RES-CHIP	47K	5%	1/10W	R8401	1-216-295-91	SHORT	0		
R8234	1-216-089-91	RES-CHIP	47K	5%	1/10W	R8402	1-216-295-91	SHORT	0		
R8235	1-216-089-91	RES-CHIP	47K	5%	1/10W	R8403	1-216-083-00	RES-CHIP	27K	5%	1/10W
R8236	1-216-089-91	RES-CHIP	47K	5%	1/10W	R8405	1-216-063-91	RES-CHIP	3.9K	5%	1/10W
R8237	1-216-043-91	RES-CHIP	560	5%	1/10W	R8406	1-216-017-91	RES-CHIP	47	5%	1/10W
R8238	1-216-063-91	RES-CHIP	3.9K	5%	1/10W	R8407	1-216-049-91	RES-CHIP	1K	5%	1/10W
R8239	1-216-069-00	RES-CHIP	6.8K	5%	1/10W	R8408	1-216-039-00	RES-CHIP	390	5%	1/10W
R8240	1-216-651-11	METAL CHIP	1K	0.5%	1/10W	R8409	1-216-017-91	RES-CHIP	47	5%	1/10W
R8243	1-216-021-00	RES-CHIP	68	5%	1/10W	R8412	1-216-025-91	RES-CHIP	100	5%	1/10W
R8300	1-216-295-91	SHORT	0			R8413	1-216-025-91	RES-CHIP	100	5%	1/10W
R8302	1-216-017-91	RES-CHIP	47	5%	1/10W	R8416	1-216-091-00	RES-CHIP	56K	5%	1/10W
R8306	1-216-083-00	RES-CHIP	27K	5%	1/10W	R8417	1-216-081-00	RES-CHIP	22K	5%	1/10W
R8307	1-216-049-91	RES-CHIP	1K	5%	1/10W	R8418	1-216-295-91	SHORT	0		
R8308	1-216-039-00	RES-CHIP	390	5%	1/10W	R8419	1-216-041-00	RES-CHIP	470	5%	1/10W
R8309	1-216-049-91	RES-CHIP	1K	5%	1/10W	R8420	1-216-041-00	RES-CHIP	470	5%	1/10W
R8310	1-216-037-00	RES-CHIP	330	5%	1/10W	R8421	1-216-041-00	RES-CHIP	470	5%	1/10W
R8312	1-216-091-00	RES-CHIP	56K	5%	1/10W	R8422	1-216-037-00	RES-CHIP	330	5%	1/10W
R8313	1-216-081-00	RES-CHIP	22K	5%	1/10W	R8423	1-216-041-00	RES-CHIP	470	5%	1/10W
R8314	1-216-295-91	SHORT	0			R8424	1-216-041-00	RES-CHIP	470	5%	1/10W
R8315	1-216-121-91	RES-CHIP	1M	5%	1/10W	R8425	1-216-041-00	RES-CHIP	470	5%	1/10W
R8316	1-216-037-00	RES-CHIP	330	5%	1/10W	R8426	1-216-017-91	RES-CHIP	47	5%	1/10W
R8317	1-216-295-91	SHORT	0			R8427	1-216-017-91	RES-CHIP	47	5%	1/10W
R8318	1-216-295-91	SHORT	0			R8428	1-216-017-91	RES-CHIP	47	5%	1/10W
R8319	1-216-295-91	SHORT	0			R8429	1-216-041-00	RES-CHIP	470	5%	1/10W
R8320	1-216-041-00	RES-CHIP	470	5%	1/10W	R8430	1-216-037-00	RES-CHIP	330	5%	1/10W
R8322	1-216-049-91	RES-CHIP	1K	5%	1/10W	R8431	1-216-041-00	RES-CHIP	470	5%	1/10W
R8323	1-216-017-91	RES-CHIP	47	5%	1/10W	R8432	1-216-041-00	RES-CHIP	470	5%	1/10W
R8324	1-216-041-00	RES-CHIP	470	5%	1/10W	R8433	1-216-041-00	RES-CHIP	470	5%	1/10W
R8326	1-216-017-91	RES-CHIP	47	5%	1/10W	R8435	1-216-091-00	RES-CHIP	56K	5%	1/10W
R8328	1-216-025-91	RES-CHIP	100	5%	1/10W	R8436	1-216-079-00	RES-CHIP	18K	5%	1/10W
R8329	1-216-025-91	RES-CHIP	100	5%	1/10W	R8437	1-216-091-00	RES-CHIP	56K	5%	1/10W
R8330	1-216-041-00	RES-CHIP	470	5%	1/10W	R8438	1-216-079-00	RES-CHIP	18K	5%	1/10W
R8331	1-216-041-00	RES-CHIP	470	5%	1/10W	R8439	1-216-295-91	SHORT	0		
R8332	1-216-041-00	RES-CHIP	470	5%	1/10W	R8506	1-216-091-00	RES-CHIP	56K	5%	1/10W
R8333	1-216-041-00	RES-CHIP	470	5%	1/10W	R8507	1-216-295-91	SHORT	0		
R8334	1-216-041-00	RES-CHIP	470	5%	1/10W	R8508	1-216-043-91	RES-CHIP	560	5%	1/10W
R8336	1-216-041-00	RES-CHIP	470	5%	1/10W	R8509	1-216-031-00	RES-CHIP	180	5%	1/10W
R8337	1-216-041-00	RES-CHIP	470	5%	1/10W	R8510	1-216-067-00	RES-CHIP	5.6K	5%	1/10W

REF. NO.	PART.NO	DESCRIPTION	REMARK	REF. NO.	PART.NO	DESCRIPTION	REMARK
R8511	1-216-049-91	RES-CHIP	1K 5% 1/10W	R8875	1-216-113-00	RES-CHIP	470K 5% 1/10W
R8512	1-216-295-91	SHORT	0	R8876	1-216-093-91	RES-CHIP	68K 5% 1/10W
R8514	1-216-017-91	RES-CHIP	47 5% 1/10W	R8877	1-216-093-91	RES-CHIP	68K 5% 1/10W
R8517	1-216-295-91	SHORT	0	R8878	1-216-057-00	RES-CHIP	2.2K 5% 1/10W
R8519	1-216-037-00	RES-CHIP	330 5% 1/10W	R8879	1-216-689-11	METAL CHIP	39K 0.5% 1/10W
R8520	1-216-041-00	RES-CHIP	470 5% 1/10W	R8880	1-216-295-91	SHORT	0
R8521	1-216-061-00	RES-CHIP	3.3K 5% 1/10W	R8881	1-216-089-91	RES-CHIP	47K 5% 1/10W
R8522	1-216-041-00	RES-CHIP	470 5% 1/10W	R8882	1-216-079-00	RES-CHIP	18K 5% 1/10W
R8523	1-216-033-00	RES-CHIP	220 5% 1/10W	R8883	1-216-645-11	METAL CHIP	560 0.5% 1/10W
R8525	1-216-295-91	SHORT	0	R8885	1-216-645-11	METAL CHIP	560 0.5% 1/10W
R8526	1-216-061-00	RES-CHIP	3.3K 5% 1/10W	R8886	1-216-057-00	RES-CHIP	2.2K 5% 1/10W
R8527	1-216-047-91	RES-CHIP	820 5% 1/10W	R8888	1-216-033-00	RES-CHIP	220 5% 1/10W
R8528	1-216-047-91	RES-CHIP	820 5% 1/10W	R8889	1-216-033-00	RES-CHIP	220 5% 1/10W
R8529	1-216-055-00	RES-CHIP	1.8K 5% 1/10W	R8890	1-216-295-91	SHORT	0
R8530	1-216-051-00	RES-CHIP	1.2K 5% 1/10W	R8892	1-216-295-91	SHORT	0
R8531	1-216-053-00	RES-CHIP	1.5K 5% 1/10W	R8893	1-216-295-91	SHORT	0
R8532	1-216-049-91	RES-CHIP	1K 5% 1/10W	R8900	1-216-039-00	RES-CHIP	390 5% 1/10W
R8806	1-216-085-00	RES-CHIP	33K 5% 1/10W	R8901	1-216-049-91	RES-CHIP	1K 5% 1/10W
R8807	1-216-089-91	RES-CHIP	47K 5% 1/10W	R8902	1-216-039-00	RES-CHIP	390 5% 1/10W
R8820	1-216-295-91	SHORT	0	R8903	1-216-089-91	RES-CHIP	47K 5% 1/10W
R8826	1-216-051-00	RES-CHIP	1.2K 5% 1/10W	R8904	1-216-089-91	RES-CHIP	47K 5% 1/10W
R8838	1-216-025-91	RES-CHIP	100 5% 1/10W	R8905	1-216-113-00	RES-CHIP	470K 5% 1/10W
R8839	1-216-085-00	RES-CHIP	33K 5% 1/10W	R8906	1-216-035-00	RES-CHIP	270 5% 1/10W
R8840	1-216-089-91	RES-CHIP	47K 5% 1/10W	R8907	1-216-057-00	RES-CHIP	2.2K 5% 1/10W
R8841	1-216-025-91	RES-CHIP	100 5% 1/10W	R8908	1-216-035-00	RES-CHIP	270 5% 1/10W
R8846	1-216-295-91	SHORT	0	R8909	1-216-049-91	RES-CHIP	1K 5% 1/10W
R8848	1-216-035-00	RES-CHIP	270 5% 1/10W	R8911	1-216-025-91	RES-CHIP	100 5% 1/10W
R8850	1-216-033-00	RES-CHIP	220 5% 1/10W	R8913	1-216-022-00	RES-CHIP	75 5% 1/10W
R8851	1-216-059-00	RES-CHIP	2.7K 5% 1/10W	R8914	1-216-071-00	RES-CHIP	8.2K 5% 1/10W
R8853	1-216-051-00	RES-CHIP	1.2K 5% 1/10W	R8915	1-216-022-00	RES-CHIP	75 5% 1/10W
R8854	1-216-029-00	RES-CHIP	150 5% 1/10W	R8916	1-216-017-91	RES-CHIP	47 5% 1/10W
R8855	1-216-031-00	RES-CHIP	180 5% 1/10W	R8917	1-216-017-91	RES-CHIP	47 5% 1/10W
R8856	1-216-055-00	RES-CHIP	1.8K 5% 1/10W	R8918	1-216-113-00	RES-CHIP	470K 5% 1/10W
R8857	1-216-089-91	RES-CHIP	47K 5% 1/10W	R8919	1-216-057-00	RES-CHIP	2.2K 5% 1/10W
R8858	1-216-079-00	RES-CHIP	18K 5% 1/10W	R8922	1-216-022-00	RES-CHIP	75 5% 1/10W
R8859	1-216-057-00	RES-CHIP	2.2K 5% 1/10W	R8923	1-216-022-00	RES-CHIP	75 5% 1/10W
R8861	1-216-295-91	SHORT	0	R8924	1-216-022-00	RES-CHIP	75 5% 1/10W
R8863	1-216-295-91	SHORT	0	R8925	1-216-022-00	RES-CHIP	75 5% 1/10W
R8865	1-216-022-00	RES-CHIP	75 5% 1/10W	R8926	1-216-017-91	RES-CHIP	47 5% 1/10W
R8866	1-216-022-00	RES-CHIP	75 5% 1/10W	R8927	1-216-017-91	RES-CHIP	47 5% 1/10W
R8867	1-216-049-91	RES-CHIP	1K 5% 1/10W	R8928	1-216-017-91	RES-CHIP	47 5% 1/10W
R8868	1-216-017-91	RES-CHIP	47 5% 1/10W	R8929	1-216-039-00	RES-CHIP	390 5% 1/10W
R8869	1-216-017-91	RES-CHIP	47 5% 1/10W	R8930	1-216-049-91	RES-CHIP	1K 5% 1/10W
R8871	1-216-049-91	RES-CHIP	1K 5% 1/10W	R8931	1-216-039-00	RES-CHIP	390 5% 1/10W
R8872	1-216-057-00	RES-CHIP	2.2K 5% 1/10W	R8932	1-216-049-91	RES-CHIP	1K 5% 1/10W
R8873	1-216-113-00	RES-CHIP	470K 5% 1/10W	R8933	1-216-089-91	RES-CHIP	47K 5% 1/10W
R8874	1-216-057-00	RES-CHIP	2.2K 5% 1/10W	R8934	1-216-089-91	RES-CHIP	47K 5% 1/10W

REF.NO.	PART.NO	DESCRIPTION	REMARK
R8935	1-216-113-00	RES-CHIP 470K 5%	1/10W
R8936	1-216-113-00	RES-CHIP 470K 5%	1/10W
R8937	1-216-035-00	RES-CHIP 270 5%	1/10W
R8938	1-216-057-00	RES-CHIP 2.2K 5%	1/10W
R8939	1-216-035-00	RES-CHIP 270 5%	1/10W
R8940	1-216-057-00	RES-CHIP 2.2K 5%	1/10W
R8941	1-216-025-91	RES-CHIP 100 5%	1/10W
R8942	1-216-009-91	RES-CHIP 22 5%	1/10W
R8943	1-216-022-00	RES-CHIP 75 5%	1/10W
R8944	1-216-071-00	RES-CHIP 8.2K 5%	1/10W
R8945	1-216-022-00	RES-CHIP 75 5%	1/10W
R8946	1-216-017-91	RES-CHIP 47 5%	1/10W
R8947	1-216-039-00	RES-CHIP 390 5%	1/10W
R8948	1-216-049-91	RES-CHIP 1K 5%	1/10W
R8949	1-216-022-00	RES-CHIP 75 5%	1/10W
R8950	1-216-089-91	RES-CHIP 47K 5%	1/10W
R8951	1-216-017-91	RES-CHIP 47 5%	1/10W
R8952	1-216-113-00	RES-CHIP 470K 5%	1/10W
R8953	1-216-035-00	RES-CHIP 270 5%	1/10W
R8954	1-216-057-00	RES-CHIP 2.2K 5%	1/10W
R8955	1-216-039-00	RES-CHIP 390 5%	1/10W
R8956	1-216-049-91	RES-CHIP 1K 5%	1/10W
R8957	1-216-025-91	RES-CHIP 100 5%	1/10W
R8958	1-216-089-91	RES-CHIP 47K 5%	1/10W
R8959	1-216-022-00	RES-CHIP 75 5%	1/10W
R8960	1-216-017-91	RES-CHIP 47 5%	1/10W
R8961	1-216-022-00	RES-CHIP 75 5%	1/10W
R8962	1-216-071-00	RES-CHIP 8.2K 5%	1/10W
R8963	1-216-113-00	RES-CHIP 470K 5%	1/10W
R8964	1-216-035-00	RES-CHIP 270 5%	1/10W
R8965	1-216-057-00	RES-CHIP 2.2K 5%	1/10W
R8968	1-216-022-00	RES-CHIP 75 5%	1/10W
R8969	1-216-017-91	RES-CHIP 47 5%	1/10W
R8974	1-216-057-00	RES-CHIP 2.2K 5%	1/10W
R8977	1-216-037-00	RES-CHIP 330 5%	1/10W
R8978	1-216-037-00	RES-CHIP 330 5%	1/10W
R8979	1-216-045-00	RES-CHIP 680 5%	1/10W
R8980	1-216-045-00	RES-CHIP 680 5%	1/10W
R8981	1-216-089-91	RES-CHIP 47K 5%	1/10W
R8982	1-216-079-00	RES-CHIP 18K 5%	1/10W
R8994	1-216-073-00	RES-CHIP 10K 5%	1/10W
R8995	1-216-089-91	RES-CHIP 47K 5%	1/10W
R8996	1-216-059-00	RES-CHIP 2.7K 5%	1/10W
R8997	1-216-071-00	RES-CHIP 8.2K 5%	1/10W
R8998	1-216-041-00	RES-CHIP 470 5%	1/10W

REF.NO.	PART.NO	DESCRIPTION	REMARK
< CRYSTAL >			
X8200	1-781-148-21	VIBRATOR, CRYSTAL	
X8301	1-781-612-11	VIBRATOR, CRYSTAL	
X8401	1-781-612-11	VIBRATOR, CRYSTAL	
*A-1644-102-A VM Board, Complete			
	4-382-854-11	SCREW (M3X10), P, SW (+)	
< CAPACITOR >			
C5400	1-107-883-11	ELECT 330UF	20.00% 16V
C5401	1-126-935-11	ELECT 470UF	20.00% 16V
C5402	1-137-150-11	MYLAR 0.01UF	5.00% 50V
C5403	1-126-935-11	ELECT 470UF	20.00% 6.3V
C5405	1-126-933-11	ELECT 100UF	20.00% 16V
C5406	1-126-935-11	ELECT 470UF	20.00% 6.3V
C5407	1-107-364-11	MYLAR 0.01UF	10.00% 200V
C5408	1-107-364-11	MYLAR 0.01UF	10.00% 200V
C5409	1-107-649-11	ELECT 2.2UF	20.00% 250V
C5410	1-130-471-00	MYLAR 0.001UF	5.00% 50V
C5411	1-130-471-00	MYLAR 0.001UF	5.00% 50V
C5412	1-126-935-11	ELECT 470UF	20.00% 16V
C5413	1-126-935-11	ELECT 470UF	20.00% 16V
C5414	1-107-652-11	ELECT 10UF	20.00% 250V
C5415	1-107-363-91	MYLAR 0.0068UF	10.00% 200V
C5417	1-102-959-91	CERAMIC 22PF	5.00% 50V
C5418	1-102-947-00	CERAMIC 10PF	0.50PF 50V
< CONNECTOR >			
CN5402	*1-568-878-51	PIN, CONNECTOR 3P	
CN5444	*1-770-723-11	CONNECTOR, BOARD TO BOARD 8P	
CN5602	*1-568-881-51	PIN, CONNECTOR 6P	
< DIODE >			
D5400	8-719-991-33	DIODE 1SS133T-77	
D5401	8-719-510-02	DIODE D1NS4-TR	
D5402	1-535-143-61	LEAD, JUMPER (5.0MM)	
D5403	8-719-991-33	DIODE 1SS133T-77	
D5404	8-719-991-33	DIODE 1SS133T-77	
D5405	8-719-924-11	DIODE MTZJ-T-77-22	
D5406	8-719-924-11	DIODE MTZJ-T-77-22	
< COIL >			
L5400	1-410-784-41	INDUCTOR 0.18UH	
L5401	1-408-602-31	INDUCTOR 8.2UH	

The components identified by shading and marked Δ are critical for safety
Replace only with the part number specified.

VM

REF. NO.	PART.NO	DESCRIPTION	REMARK	REF. NO.	PART.NO	DESCRIPTION	REMARK
< TRANSISTOR >				MISCELLANEOUS			
Q5400	8-729-119-78	TRANSISTOR 2SC1740S-RT		Δ 1-419-687-11	COIL, DEGAUSS		
Q5401	8-729-119-78	TRANSISTOR 2SC1740S-RT		1-452-032-00	MAGNET, DISK; 10MM		
Q5402	8-729-119-78	TRANSISTOR 2SC1740S-RT		1-452-094-00	MAGNET, ROTATABLE DISK; 15MM		
Q5403	8-729-119-78	TRANSISTOR 2SC1740S-RT		Δ 1-453-332-11	TRANSFORMER ASSY, FLYBACK (NX-4601//J1B4)		
Q5404	8-729-026-39	TRANSISTOR 2SA933AS-RT		1-542-436-11	SPEAKER (24X4CM)		
Q5405	8-729-026-39	TRANSISTOR 2SA933AS-RT		1-529-417-11	SPEAKER (8CM)		
Q5406	8-729-045-05	TRANSISTOR 2SA2005		1-419-363-11	COIL, NA ROTATION		
Q5407	8-729-045-04	TRANSISTOR 2SC5511		Δ 1-571-433-21	SWITCH, PUSH (AC POWER)		
Q5408	8-729-026-39	TRANSISTOR 2SA933AS-RT		Δ 1-792-389-11	CORD, POWER		
Q5409	8-729-119-78	TRANSISTOR 2SC1740S-RT		Δ 8-453-007-31	NECK ASSY (NA324-M3)		
< RESISTOR >				1-693-338-21	MAIN TUNER/VIF		
R5401	1-247-843-11	CARBON 3.3K 5% 1/4W		1-693-338-21	SUB TUNER/VIF		
R5402	1-249-413-11	CARBON 470 5% 1/4W		Δ 8-735-047-05	PICTURE TUBE (A80LPD80X)		
R5403	1-249-393-11	CARBON 10 5% 1/4W		Δ 8-451-500-41	DEFLECTION YOKE (Y34RSC2-M4)		
R5404	1-249-420-11	CARBON 1.8K 5% 1/4W		Δ 1-251-715-92	CAP ASSY, HIGH VOLTAGE		
R5405	1-249-425-11	CARBON 4.7K 5% 1/4W		1-790-082-11	CABLE, RF		
R5406	1-249-425-11	CARBON 4.7K 5% 1/4W		*1-555-716-51	CABLE, PIN		
R5407	1-249-399-11	CARBON 33 5% 1/4W		1-542-437-11	SPEAKER (2CM)		
R5408	1-247-807-31	CARBON 100 5% 1/4W		ACCESSORIES AND PACKAGING MATERIALS			
R5409	1-249-409-11	CARBON 220 5% 1/4W		4-205-685-41	MANUAL, INSTRUCTION (KV-34FQ75A)		
R5410	1-249-401-11	CARBON 47 5% 1/4W		(ITALIAN)			
R5411	1-249-401-11	CARBON 47 5% 1/4W		4-205-685-11	MANUAL, INSTRUCTION (KV-34FQ75D)		
R5412	1-249-429-11	CARBON 10K 5% 1/4W		(GERMAN/ITALIAN/GREEK/TURKISH/FRENCH/ENGLISH)			
R5413	1-249-414-11	CARBON 560 5% 1/4W		4-205-685-91	MANUAL, INSTRUCTION (KV-34FQ75K)		
R5414	1-249-432-11	CARBON 18K 5% 1/4W		(ENGLISH/RUSSIAN/CZECH/POLISH/BELGUIM/DUTCH)			
R5415	1-247-739-11	CARBON 100 5% 1/2W		*4-396-077-01	JOINT		
R5416	1-249-389-11	CARBON 4.7 5% 1/4W		*4-205-288-01	TRAY		
R5417	1-249-432-11	CARBON 18K 5% 1/4W		*4-029-168-01	BAG, PROTECTION		
R5418	1-249-414-11	CARBON 560 5% 1/4W		*4-205-287-01	INDIVIDUAL CARTON		
R5419	1-249-421-11	CARBON 2.2K 5% 1/4W		*4-205-296-01	CUSHION (UPPER) (ASSY)		
R5420	1-249-421-11	CARBON 2.2K 5% 1/4W		*4-205-289-01	CUSHION (LOWER) (ASSY)		
R5421	1-249-387-11	CARBON 3.3 5% 1/4W		REMOTE COMMANDER			
R5422	1-249-405-11	CARBON 100 5% 1/4W		1-418-572-21	REMOTE COMMANDER (RM-893)		
R5423	1-215-915-11	METAL OXIDE 470 5% 3W					
R5425	1-535-143-61	LEAD, JUMPER (5.0MM)					
R5427	1-249-401-11	CARBON 47 5% 1/4W					
R5428	1-249-413-11	CARBON 470 5% 1/4W					
R5429	1-249-413-11	CARBON 470 5% 1/4W					
R5430	1-249-417-11	CARBON 1K 5% 1/4W					
R5432	1-249-415-11	CARBON 680 5% 1/4W					
R5433	1-249-400-11	CARBON 39 5% 1/4W					
R5434	1-249-395-11	CARBON 15 5% 1/4W					

TRACE

A new TV Repair Assistance Tool that combines ease of use and powerful PC software tools to allow you to save valuable time during many TV repairs.



The TRACE interface connects to the PC's serial port. It provides connection to the TV's I²C bus and can be provided with an InfraRed transmitter (optional).

The interface is powered by a standard 9 V PP3 battery for portable use, and can also be powered by an external 9V/25mA DC power supply.

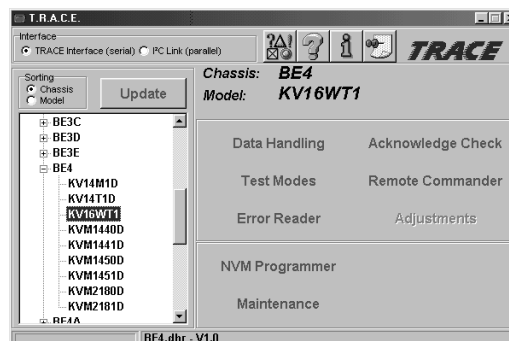
The TRACE software that is supplied with the interface allows you to:

- Read, restore and compare NVM contents via the I²C bus
- Acknowledge check of all I²C devices in the TV set
- Read Error Codes (emulation of the Error Reader tool)

With the optional IR Add-on kit, the following features can be added:

- Remote Commander emulation
- User programmable Functional Check through Infrared
- Fast and documented Test Mode setting of all Sony TV chassis

Additional features such as Adjustments and Troubleshooting are available in chassis-dependent software modules. Please contact your local Sony Service organisation for the latest information.



Note: For workshops already using the existing I²C Link parallel port interface (9-948-320-30), this software can be used as well, replacing the TV Data Handling software (9-948-340-50), but Error Reader and IR functions can only be accessed with the TRACE interface.

Partnumbers: TRACE Starter Kit (TRACE interface + software): 9-948-320-70
TRACE Software (for users of the I²C Link interface): 9-948-340-80
TRACE IR Add-on (IR interface + Remote Commander software): 9-948-320-80

PC requirements: IBM-compatible PC with operating system Windows95, Windows98, or WindowsNT*.

* WindowsNT only supported with TRACE interface

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Sony UK
Service Promotions Dept.

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